

PF-0565 USN



<110> INCYTE CORPORATION; HILLMAN, Jennifer L.;  
LAL, Preeti G.; TANG, Y. Tom;  
CORLEY, Neil C.; GUEGLER, Karl J.;  
BAUGHN, Mariah R.; PATTERSON, Chandra S.;  
BANDMAN, Olga; AU-YOUNG, Janice K.;  
GORGONE, Gina A.; YUE, Henry;  
AZIMZAI, Yalda; REDDY, Roopa M.;  
LU, Dyung Aina M.; SHIH, Leo L.

<120> PHOSPHORYLATION EFFECTORS

<130> PF-0565 USN

<140> US 09/744,794

<141> 2001-10-05

<150> PCT/US99/17132

<151> 1999-07-28

<150> US 60/155,213

<151> 1998-07-28

<150> US 60/155,196

<151> 1998-09-14

<150> US 60/155,239

<151> 1998-10-14

<150> US 60/106,889

<151> 1998-11-03

<150> US 60/109,093

<151> 1998-11-19

<150> US 60/113,796

<151> 1998-12-22

<150> US 60/155,233

<151> 1999-01-12

<160> 60

<170> PERL Program

<210> 1

<211> 300

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 132240CD1

<400> 1

Met	Glu	Ser	Pro	Leu	Glu	Ser	Gln	Pro	Leu	Asp	Ser	Asp	Arg	Ser
1				5					10					15
Ile	Lys	Glu	Ser	Ser	Phe	Glu	Glu	Ser	Asn	Ile	Glu	Asp	Pro	Leu
				20					25					30
Ile	Val	Thr	Pro	Asp	Cys	Gln	Glu	Lys	Thr	Ser	Pro	Lys	Gly	Val
				35					40					45

PF-0565 USN

Glu	Asn	Pro	Ala	Val	Gln	Glu	Ser	Asn	Gln	Lys	Met	Leu	Gly	Pro	
				50					55					60	
Pro	Leu	Glu	Val	Leu	Lys	Thr	Leu	Ala	Ser	Lys	Arg	Asn	Ala	Val	
				65					70					75	
Ala	Phe	Arg	Ser	Phe	Asn	Ser	His	Ile	Asn	Ala	Ser	Asn	Asn	Ser	
				80					85					90	
Glu	Pro	Ser	Arg	Met	Asn	Met	Thr	Ser	Leu	Asp	Ala	Met	Asp	Ile	
				95					100					105	
Ser	Cys	Ala	Tyr	Ser	Gly	Ser	Tyr	Pro	Met	Ala	Ile	Thr	Pro	Thr	
				110					115					120	
Gln	Lys	Arg	Arg	Ser	Cys	Met	Pro	His	Gln	Thr	Pro	Asn	Gln	Ile	
				125					130					135	
Lys	Ser	Gly	Thr	Pro	Tyr	Arg	Thr	Pro	Lys	Ser	Val	Arg	Arg	Gly	
				140					145					150	
Val	Ala	Pro	Val	Asp	Gly	Arg	Ile	Leu	Gly	Thr	Pro	Asp	Tyr		
				155					160					165	
Leu	Ala	Pro	Glu	Leu	Leu	Leu	Gly	Arg	Ala	His	Gly	Pro	Ala	Val	
				170					175					180	
Asp	Trp	Trp	Ala	Leu	Gly	Val	Cys	Leu	Phe	Glu	Phe	Leu	Thr	Gly	
				185					190					195	
Ile	Pro	Pro	Phe	Asn	Asp	Glu	Thr	Pro	Gln	Gln	Val	Phe	Gln	Asn	
				200					205					210	
Ile	Leu	Lys	Arg	Asp	Ile	Pro	Trp	Pro	Glu	Gly	Glu	Glu	Lys	Leu	
				215					220					225	
Ser	Asp	Asn	Ala	Gln	Ser	Ala	Val	Glu	Ile	Leu	Leu	Thr	Ile	Asp	
				230					235					240	
Asp	Thr	Lys	Arg	Ala	Gly	Met	Lys	Glu	Leu	Lys	Arg	His	Pro	Leu	
				245					250					255	
Phe	Ser	Asp	Val	Asp	Trp	Glu	Asn	Leu	Gln	His	Gln	Thr	Met	Pro	
				260					265					270	
Phe	Ile	Pro	Gln	Pro	Asp	Asp	Glu	Thr	Asp	Thr	Ser	Tyr	Phe	Glu	
				275					280					285	
Ala	Arg	Asn	Thr	Ala	Gln	His	Leu	Thr	Val	Ser	Gly	Phe	Ser	Leu	
				290					295					300	

<210> 2  
 <211> 147  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2180116CD1

<400> 2															
Met	Ala	Ala	Gln	Arg	Leu	Gly	Lys	Arg	Val	Leu	Ser	Lys	Leu	Gln	
1				5					10					15	
Ser	Pro	Ser	Arg	Ala	Arg	Gly	Pro	Gly	Gly	Ser	Pro	Gly	Gly	Met	
				20					25					30	
Gln	Lys	Arg	His	Ala	Arg	Val	Thr	Val	Lys	Tyr	Asp	Arg	Arg	Glu	
				35					40					45	
Leu	Gln	Arg	Arg	Leu	Asp	Val	Glu	Lys	Trp	Ile	Asp	Gly	Arg	Leu	
				50					55					60	
Glu	Glu	Leu	Tyr	Arg	Gly	Met	Glu	Ala	Asp	Met	Pro	Asp	Glu	Ile	
				65					70					75	
Asn	Ile	Asp	Glu	Leu	Leu	Glu	Leu	Glu	Ser	Glu	Glu	Glu	Arg	Ser	
				80					85					90	
Arg	Lys	Ile	Gln	Gly	Leu	Leu	Lys	Ser	Cys	Gly	Lys	Pro	Val	Glu	

PF-0565 USN

	95		100		105
Asp Phe Ile Gln	Glu Leu Leu Ala Lys	Leu Gln Gly Leu His	Arg		
	110		115		120
Gln Pro Gly Leu Arg	Gln Pro Ser Pro	Ser His Asp Gly Ser	Leu		
	125		130		135
Ser Pro Leu Gln Asp	Arg Ala Arg Thr	Ala His Pro			
	140		145		

<210> 3  
 <211> 431  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2197671CD1

<400> 3

Met Ala His Ser Pro Val Gln Ser Gly Leu Pro Gly Met Gln Asn	
1 5 10 15	
Leu Lys Ala Asp Pro Glu Glu Leu Phe Thr Lys Leu Glu Lys Ile	
20 25 30	
Gly Lys Gly Ser Phe Gly Glu Val Phe Lys Gly Ile Asp Asn Arg	
35 40 45	
Thr Gln Lys Val Val Ala Ile Lys Ile Ile Asp Leu Glu Glu Ala	
50 55 60	
Glu Asp Glu Ile Glu Asp Ile Gln Gln Glu Ile Thr Val Leu Ser	
65 70 75	
Gln Cys Asp Ser Pro Tyr Val Thr Lys Tyr Tyr Gly Ser Tyr Leu	
80 85 90	
Lys Asp Thr Lys Leu Trp Ile Ile Met Glu Tyr Leu Gly Gly Gly	
95 100 105	
Ser Ala Leu Asp Leu Leu Glu Pro Gly Arg Leu Asp Glu Thr Gln	
110 115 120	
Ile Ala Thr Ile Leu Arg Glu Ile Leu Lys Gly Leu Asp Tyr Leu	
125 130 135	
His Ser Glu Lys Lys Ile His Arg Asp Ile Lys Ala Ala Asn Val	
140 145 150	
Leu Leu Ser Glu His Gly Glu Val Lys Leu Ala Asp Phe Gly Val	
155 160 165	
Ala Gly Gln Leu Thr Asp Thr Gln Ile Lys Arg Asn Thr Phe Val	
170 175 180	
Gly Thr Pro Phe Trp Met Ala Pro Glu Val Ile Lys Gln Ser Ala	
185 190 195	
Tyr Asp Ser Lys Ala Asp Ile Trp Ser Leu Gly Ile Thr Ala Ile	
200 205 210	
Glu Leu Ala Arg Gly Glu Pro Pro His Ser Glu Leu His Pro Met	
215 220 225	
Lys Val Leu Phe Leu Ile Pro Lys Asn Asn Pro Pro Thr Leu Glu	
230 235 240	
Gly Asn Tyr Ser Lys Pro Leu Lys Glu Phe Val Glu Ala Cys Leu	
245 250 255	
Asn Lys Glu Pro Ser Phe Arg Pro Thr Ala Lys Glu Leu Leu Lys	
260 265 270	
His Lys Phe Ile Leu Arg Asn Ala Lys Lys Thr Ser Tyr Leu Thr	
275 280 285	
Glu Leu Ile Asp Arg Tyr Lys Arg Trp Lys Ala Glu Gln Ser His	
290 295 300	
Asp Asp Ser Ser Ser Glu Asp Ser Asp Ala Glu Thr Asp Gly Gln	

PF-0565 USN

Ala Ser Gly Gly	305	Ser Asp Ser Gly Asp	310	Trp Ile Phe Thr Ile	315
	320		325		330
Glu Lys Asp Pro	335	Lys Asn Leu Glu Asn	340	Gly Ala Leu Gln Pro	345
Asp Leu Asp Arg	350	Asn Lys Met Lys Asp	355	Ile Pro Lys Arg Pro	360
Ser Gln Cys Leu	365	Ser Thr Ile Ile Ser	370	Pro Leu Phe Ala Glu	375
Lys Glu Lys Ser	380	Gln Ala Cys Gly Gly	385	Asn Leu Gly Ser Ile	390
Glu Leu Arg Gly	395	Ala Ile Tyr Leu Ala	400	Glu Glu Ala Cys Pro	405
Ile Ser Asp Thr	410	Met Val Ala Gln Leu	415	Val Gln Arg Leu Gln	420
Tyr Ser Leu Ser	425	Gly Gly Gly Thr Ser	430	Ser His	

<210> 4

<211> 218

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2594943CD1

<400> 4

Met Asn Cys Arg	Ser	Glu Val Leu Glu	Val	Ser Val Glu Gly	Arg
1	5		10		15
Gln Val Glu Glu	Ala	Met Leu Ala Val	Leu	His Thr Val Leu	Leu
	20		25		30
His Arg Ser Thr	Gly	Lys Phe His Tyr	Lys	Lys Glu Gly Thr	Tyr
	35		40		45
Ser Ile Gly Thr	Val	Gly Thr Gln Asp	Val	Asp Cys Asp Phe	Ile
	50		55		60
Asp Phe Thr Tyr	Val	Arg Val Ser Ser	Glu	Glu Leu Asp Arg	Ala
	65		70		75
Leu Arg Lys Val	Val	Gly Glu Phe Lys	Asp	Ala Leu Arg Asn	Ser
	80		85		90
Gly Gly Asp Gly	Leu	Gly Gln Met Ser	Leu	Glu Phe Tyr Gln	Lys
	95		100		105
Lys Lys Ser Arg	Trp	Pro Phe Ser Asp	Glu	Cys Ile Pro Trp	Glu
	110		115		120
Val Trp Thr Val	Lys	Val His Val Val	Ala	Leu Ala Thr Glu	Gln
	125		130		135
Glu Arg Gln Ile	Cys	Arg Glu Lys Val	Gly	Glu Lys Leu Cys	Glu
	140		145		150
Lys Ile Ile Asn	Ile	Val Glu Val Met	Asn	Arg His Glu Tyr	Leu
	155		160		165
Pro Lys Met Pro	Thr	Gln Ser Glu Val	Asp	Asn Val Phe Asp	Thr
	170		175		180
Gly Leu Arg Asp	Val	Gln Pro Tyr Leu	Tyr	Lys Ile Ser Phe	Gln
	185		190		195
Ile Thr Asp Ala	Leu	Gly Thr Ser Val	Thr	Thr Thr Met Arg	Arg
	200		205		210
Leu Ile Lys Asp	Thr	Leu Ala Leu			
	215				

PF-0565 USN

<210> 5  
<211> 474  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1513871CD1

<400> 5  
Met Ile Met Asn Lys Met Lys Asn Phe Lys Arg Arg Phe Ser Leu  
1 5 10 15  
Ser Val Pro Arg Thr Glu Thr Ile Glu Glu Ser Leu Ala Glu Phe  
20 25 30  
Thr Glu Gln Phe Asn Gln Leu His Asn Arg Arg Asn Glu Asn Leu  
35 40 45  
Gln Leu Gly Pro Leu Gly Arg Asp Pro Pro Gln Glu Cys Ser Thr  
50 55 60  
Phe Ser Pro Thr Asp Ser Gly Glu Glu Pro Gly Gln Leu Ser Pro  
65 70 75  
Gly Val Gln Phe Gln Arg Arg Gln Asn Gln Arg Arg Phe Ser Met  
80 85 90  
Glu Asp Val Ser Lys Arg Leu Ser Leu Pro Met Asp Ile Arg Leu  
95 100 105  
Pro Gln Glu Phe Leu Gln Lys Leu Gln Met Glu Ser Pro Asp Leu  
110 115 120  
Pro Lys Pro Leu Ser Arg Met Ser Arg Ala Ser Leu Ser Asp  
125 130 135  
Ile Gly Phe Gly Lys Leu Glu Thr Tyr Val Lys Leu Asp Lys Leu  
140 145 150  
Gly Glu Gly Thr Tyr Ala Thr Val Phe Lys Gly Arg Ser Lys Leu  
155 160 165  
Thr Glu Asn Leu Val Ala Leu Lys Glu Ile Arg Leu Glu His Glu  
170 175 180  
Glu Gly Ala Pro Cys Thr Ala Ile Arg Glu Val Ser Leu Leu Lys  
185 190 195  
Asn Leu Lys His Ala Asn Ile Val Thr Leu His Asp Leu Ile His  
200 205 210  
Thr Asp Arg Ser Leu Thr Leu Val Phe Glu Tyr Leu Asp Ser Asp  
215 220 225  
Leu Lys Gln Tyr Leu Asp His Cys Gly Asn Leu Met Ser Met His  
230 235 240  
Asn Val Lys Ile Phe Met Phe Gln Leu Leu Arg Gly Leu Ala Tyr  
245 250 255  
Cys His His Arg Lys Ile Leu His Arg Asp Leu Lys Pro Gln Asn  
260 265 270  
Leu Leu Ile Asn Glu Arg Gly Glu Leu Lys Leu Ala Asp Phe Gly  
275 280 285  
Leu Ala Arg Ala Lys Ser Val Pro Thr Lys Thr Tyr Ser Asn Glu  
290 295 300  
Val Val Thr Leu Trp Tyr Arg Pro Pro Asp Val Leu Leu Gly Ser  
305 310 315  
Thr Glu Tyr Ser Thr Pro Ile Asp Met Trp Gly Val Gly Cys Ile  
320 325 330  
His Tyr Glu Met Ala Thr Gly Arg Pro Leu Phe Pro Gly Ser Thr  
335 340 345  
Val Lys Glu Glu Leu His Leu Ile Phe Arg Leu Leu Gly Thr Pro  
350 355 360  
Thr Glu Glu Thr Trp Pro Gly Val Thr Ala Phe Ser Glu Phe Arg

PF-0565 USN

Thr	Tyr	Ser	Phe	365	Pro	Cys	Tyr	Leu	Pro	Gln	Pro	Leu	Ile	Asn	His	375
				380						385						390
Ala	Pro	Arg	Leu	Asp	Thr	Asp	Gly	Ile	His	Leu	Leu	Ser	Ser	Leu		405
				395					400							410
Leu	Leu	Tyr	Glu	Ser	Lys	Ser	Arg	Met	Ser	Ala	Glu	Ala	Ala	Leu		420
				410					415							425
Ser	His	Ser	Tyr	Phe	Arg	Ser	Leu	Gly	Glu	Arg	Val	His	Gln	Leu		435
				425					430							440
Glu	Asp	Thr	Ala	Ser	Ile	Phe	Ser	Leu	Lys	Glu	Ile	Gln	Leu	Gln		450
				440					445							455
Lys	Asp	Pro	Gly	Tyr	Arg	Gly	Leu	Ala	Phe	Gln	Gln	Pro	Gly	Arg		465
				455					460							470
Gly	Lys	Asn	Arg	Arg	Gln	Ser	Ile	Phe								

<210> 6

<211> 540

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 156108CD1

<400> 6

Met	Asn	Gly	Glu	Ala	Ile	Cys	Ser	Ala	Leu	Pro	Thr	Ile	Pro	Tyr		
1				5					10					15		
His	Lys	Leu	Ala	Asp	Leu	Arg	Tyr	Leu	Ser	Arg	Gly	Ala	Ser	Gly		
				20					25					30		
Thr	Val	Ser	Ser	Ala	Arg	His	Ala	Asp	Trp	Arg	Val	Gln	Val	Ala		
				35					40					45		
Val	Lys	His	Leu	His	Ile	His	Thr	Pro	Leu	Leu	Asp	Ser	Glu	Arg		
				50					55					60		
Lys	Asp	Val	Leu	Arg	Glu	Ala	Glu	Ile	Leu	His	Lys	Ala	Arg	Phe		
				65					70					75		
Ser	Tyr	Ile	Leu	Pro	Ile	Leu	Gly	Ile	Cys	Asn	Glu	Pro	Glu	Phe		
				80					85					90		
Leu	Gly	Ile	Val	Thr	Glu	Tyr	Met	Pro	Asn	Gly	Ser	Leu	Asn	Glu		
				95					100					105		
Leu	Leu	His	Arg	Lys	Thr	Glu	Tyr	Pro	Asp	Val	Ala	Trp	Pro	Leu		
				110					115					120		
Arg	Phe	Arg	Ile	Leu	His	Glu	Ile	Ala	Leu	Gly	Val	Asn	Tyr	Leu		
				125					130					135		
His	Asn	Met	Thr	Pro	Pro	Leu	Leu	His	His	Asp	Leu	Lys	Thr	Gln		
				140					145					150		
Asn	Ile	Leu	Leu	Asp	Asn	Glu	Phe	His	Val	Lys	Ile	Ala	Asp	Phe		
				155					160					165		
Gly	Leu	Ser	Lys	Trp	Arg	Met	Met	Ser	Leu	Ser	Gln	Ser	Arg	Ser		
				170					175					180		
Ser	Lys	Ser	Ala	Pro	Glu	Gly	Gly	Thr	Ile	Ile	Tyr	Met	Pro	Pro		
				185					190					195		
Glu	Asn	Tyr	Glu	Pro	Gly	Gln	Lys	Ser	Arg	Ala	Ser	Ile	Lys	His		
				200					205					210		
Asp	Ile	Tyr	Ser	Tyr	Ala	Val	Ile	Thr	Trp	Glu	Val	Leu	Ser	Arg		
				215					220					225		
Lys	Gln	Pro	Phe	Glu	Asp	Val	Thr	Asn	Pro	Leu	Gln	Ile	Met	Tyr		
				230					235					240		
Ser	Val	Ser	Gln	Gly	His	Arg	Pro	Val	Ile	Asn	Glu	Glu	Ser	Leu		

PF-0565 USN

Pro Tyr Asp Ile	245	Pro His Arg Ala Arg	250	Met Ile Ser Leu Ile	255
	260		265		270
Ser Gly Trp Ala	275	Gln Asn Pro Asp Glu Arg	280	Pro Ser Phe Leu Lys	285
Cys Leu Ile Glu	290	Leu Glu Pro Val Leu Arg	295	Thr Phe Glu Glu Ile	300
Thr Phe Leu Glu	305	Ala Val Ile Gln Leu Lys	310	Thr Lys Leu Gln	315
Ser Val Ser Ser	320	Ala Ile His Leu Cys Asp	325	Lys Lys Lys Met Glu	330
Leu Ser Leu Asn	335	Ile Pro Val Asn His Gly	340	Pro Gln Glu Glu Ser	345
Cys Gly Ser Ser	350	Gln Leu His Glu Asn Ser	355	Gly Ser Pro Glu Thr	360
Ser Arg Ser Leu	365	Pro Ala Pro Gln Asp Asn	370	Asp Phe Leu Ser Arg	375
Lys Ala Gln Asp	380	Cys Tyr Phe Met Lys Leu	385	His His Cys Pro Gly	390
Asn His Ser Trp	395	Asp Ser Thr Ile Ser Gly	400	Ser Gln Arg Ala Ala	405
Phe Cys Asp His	410	Lys Thr Thr Pro Cys Ser	415	Ser Ala Ile Ile Asn	420
Pro Leu Ser Thr	425	Ala Gly Asn Ser Glu Arg	430	Leu Gln Pro Gly Ile	435
Ala Gln Gln Trp	440	Ile Gln Ser Lys Arg Glu	445	Asp Ile Val Asn Gln	450
Met Thr Glu Ala	455	Cys Leu Asn Gln Ser Leu	460	Asp Ala Leu Leu Ser	465
Arg Asp Leu Ile	470	Met Lys Glu Asp Tyr Glu	475	Leu Val Ser Thr Lys	480
Pro Thr Arg Thr	485	Ser Lys Val Arg Gln Leu	490	Leu Asp Thr Thr Asp	495
Ile Gln Gly Glu	500	Glu Phe Ala Lys Val Ile	505	Val Gln Lys Leu Lys	510
Asp Asn Lys Gln	515	Met Gly Leu Gln Pro Tyr	520	Pro Glu Ile Leu Val	525
Val Ser Arg Ser	530	Pro Ser Leu Asn Leu Leu	535	Gln Asn Lys Ser Met	540

<210> 7  
 <211> 454  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2883243CD1

<400> 7  
 Met Tyr Asn Thr Val Trp Asn Met Glu Asp Leu Asp Leu Glu Tyr  
 1 5 10 15  
 Ala Lys Thr Asp Ile Asn Cys Gly Thr Asp Leu Met Phe Tyr Ile  
 20 25 30  
 Glu Met Asp Pro Pro Ala Leu Pro Pro Lys Pro Pro Lys Pro Thr  
 35 40 45  
 Thr Val Ala Asn Asn Gly Met Asn Asn Asn Met Ser Leu Gln Asp  
 50 55 60

PF-0565 USN

Ala	Glu	Trp	Tyr	Trp	Gly	Asp	Ile	Ser	Arg	Glu	Glu	Val	Asn	Glu			
				65					70					75			
Lys	Leu	Arg	Asp	Thr	Ala	Asp	Gly	Thr	Phe	Leu	Val	Arg	Asp	Ala			
				80					85					90			
Ser	Thr	Lys	Met	His	Gly	Asp	Tyr	Thr	Leu	Thr	Leu	Arg	Lys	Gly			
				95					100					105			
Gly	Asn	Asn	Lys	Leu	Ile	Lys	Ile	Phe	His	Arg	Asp	Gly	Lys	Tyr			
				110					115					120			
Gly	Phe	Ser	Asp	Pro	Leu	Thr	Phe	Ser	Ser	Val	Val	Glu	Leu	Ile			
				125					130					135			
Asn	His	Tyr	Arg	Asn	Glu	Ser	Leu	Ala	Gln	Tyr	Asn	Pro	Lys	Leu			
				140					145					150			
Asp	Val	Lys	Leu	Leu	Tyr	Pro	Val	Ser	Lys	Tyr	Gln	Gln	Asp	Gln			
				155					160					165			
Val	Val	Lys	Glu	Asp	Asn	Ile	Glu	Ala	Val	Gly	Lys	Lys	Leu	His			
				170					175					180			
Glu	Tyr	Asn	Thr	Gln	Phe	Gln	Glu	Lys	Ser	Arg	Glu	Tyr	Asp	Arg			
				185					190					195			
Leu	Tyr	Glu	Glu	Tyr	Thr	Arg	Thr	Ser	Gln	Glu	Ile	Gln	Met	Lys			
				200					205					210			
Arg	Thr	Ala	Ile	Glu	Ala	Phe	Asn	Glu	Thr	Ile	Lys	Ile	Phe	Glu			
				215					220					225			
Glu	Gln	Cys	Gln	Thr	Gln	Glu	Arg	Tyr	Ser	Lys	Glu	Tyr	Ile	Glu			
				230					235					240			
Lys	Phe	Lys	Arg	Glu	Gly	Asn	Glu	Lys	Glu	Ile	Gln	Arg	Ile	Met			
				245					250					255			
His	Asn	Tyr	Asp	Lys	Leu	Lys	Ser	Arg	Ile	Ser	Glu	Ile	Ile	Asp			
				260					265					270			
Ser	Arg	Arg	Arg	Leu	Glu	Glu	Asp	Leu	Lys	Lys	Gln	Ala	Ala	Glu			
				275					280					285			
Tyr	Arg	Glu	Ile	Asp	Lys	Arg	Met	Asn	Ser	Ile	Lys	Pro	Asp	Leu			
				290					295					300			
Ile	Gln	Leu	Arg	Lys	Thr	Arg	Asp	Gln	Tyr	Leu	Met	Trp	Leu	Thr			
				305					310					315			
Gln	Lys	Gly	Val	Arg	Gln	Lys	Lys	Leu	Asn	Glu	Trp	Leu	Gly	Asn			
				320					325					330			
Glu	Asn	Thr	Glu	Asp	Gln	Tyr	Ser	Leu	Val	Glu	Asp	Asp	Glu	Asp			
				335					340					345			
Leu	Pro	His	His	Asp	Glu	Lys	Thr	Trp	Asn	Val	Gly	Ser	Ser	Asn			
				350					355					360			
Arg	Asn	Lys	Ala	Glu	Asn	Leu	Leu	Arg	Gly	Lys	Arg	Asp	Gly	Thr			
				365					370					375			
Phe	Leu	Val	Arg	Glu	Ser	Ser	Lys	Gln	Gly	Cys	Tyr	Ala	Cys	Ser			
				380					385					390			
Val	Val	Val	Asp	Gly	Glu	Val	Lys	His	Cys	Val	Ile	Asn	Lys	Thr			
				395					400					405			
Ala	Thr	Gly	Tyr	Gly	Phe	Ala	Glu	Pro	Tyr	Asn	Leu	Tyr	Ser	Ser			
				410					415					420			
Leu	Lys	Glu	Leu	Val	Leu	His	Tyr	Gln	His	Thr	Ser	Leu	Val	Gln			
				425					430					435			
His	Asn	Asp	Ser	Leu	Asn	Val	Thr	Leu	Ala	Tyr	Pro	Val	Tyr	Ala			
				440					445					450			
Gln	Gln	Arg	Arg														

<210> 8

<211> 502

<212> PRT

<213> Homo sapiens



PF-0565 USN

<220>

<221> misc\_feature

<223> Incyte ID No: 3173355CD1

<400> 8

Met	Phe	Gly	Thr	Leu	Leu	Leu	Tyr	Cys	Phe	Phe	Leu	Ala	Thr	Val
1				5					10					15
Pro	Ala	Leu	Ala	Glu	Thr	Gly	Gly	Glu	Arg	Gln	Leu	Ser	Pro	Glu
				20					25					30
Lys	Ser	Glu	Ile	Trp	Gly	Pro	Gly	Leu	Lys	Ala	Asp	Val	Val	Leu
				35					40					45
Pro	Ala	Arg	Tyr	Phe	Tyr	Ile	Gln	Ala	Val	Asp	Thr	Ser	Gly	Asn
				50					55					60
Lys	Phe	Thr	Ser	Ser	Pro	Gly	Glu	Lys	Val	Phe	Gln	Val	Lys	Val
				65					70					75
Ser	Ala	Pro	Glu	Glu	Gln	Phe	Thr	Arg	Val	Gly	Val	Gln	Val	Leu
				80					85					90
Asp	Arg	Lys	Asp	Gly	Ser	Phe	Ile	Val	Arg	Tyr	Arg	Met	Tyr	Ala
				95					100					105
Ser	Tyr	Lys	Asn	Leu	Lys	Val	Glu	Ile	Lys	Phe	Gln	Gly	Gln	His
				110					115					120
Val	Ala	Lys	Ser	Pro	Tyr	Ile	Leu	Lys	Gly	Pro	Val	Tyr	His	Glu
				125					130					135
Asn	Cys	Asp	Cys	Pro	Leu	Gln	Asp	Ser	Ala	Ala	Trp	Leu	Arg	Glu
				140					145					150
Met	Asn	Cys	Pro	Glu	Thr	Ile	Ala	Gln	Ile	Gln	Arg	Asp	Leu	Ala
				155					160					165
His	Phe	Pro	Ala	Val	Asp	Pro	Glu	Lys	Ile	Ala	Val	Glu	Ile	Pro
				170					175					180
Lys	Arg	Phe	Gly	Gln	Arg	Gln	Ser	Leu	Cys	His	Tyr	Thr	Leu	Lys
				185					190					195
Asp	Asn	Lys	Val	Tyr	Ile	Lys	Thr	His	Gly	Glu	His	Val	Gly	Phe
				200					205					210
Arg	Ile	Phe	Met	Asp	Ala	Ile	Leu	Leu	Ser	Leu	Thr	Arg	Lys	Val
				215					220					225
Lys	Met	Pro	Asp	Val	Glu	Leu	Phe	Val	Asn	Leu	Gly	Asp	Trp	Pro
				230					235					240
Leu	Glu	Lys	Lys	Lys	Ser	Asn	Ser	Asn	Ile	His	Pro	Ile	Phe	Ser
				245					250					255
Trp	Cys	Gly	Ser	Thr	Asp	Ser	Lys	Asp	Ile	Val	Met	Pro	Thr	Tyr
				260					265					270
Asp	Leu	Thr	Asp	Ser	Val	Leu	Glu	Thr	Met	Gly	Arg	Val	Ser	Leu
				275					280					285
Asp	Met	Met	Ser	Val	Gln	Ala	Asn	Thr	Gly	Pro	Pro	Trp	Glu	Ser
				290					295					300
Lys	Asn	Ser	Thr	Ala	Val	Trp	Arg	Gly	Arg	Asp	Ser	Arg	Lys	Glu
				305					310					315
Arg	Leu	Glu	Leu	Val	Lys	Leu	Ser	Arg	Lys	His	Pro	Glu	Leu	Ile
				320					325					330
Asp	Ala	Ala	Phe	Thr	Asn	Phe	Phe	Phe	Phe	Lys	His	Asp	Glu	Asn
				335					340					345
Leu	Tyr	Gly	Pro	Ile	Val	Lys	His	Ile	Ser	Phe	Phe	Asp	Phe	Phe
				350					355					360
Lys	His	Lys	Tyr	Gln	Ile	Asn	Ile	Asp	Gly	Thr	Val	Ala	Ala	Tyr
				365					370					375
Arg	Leu	Pro	Tyr	Leu	Leu	Val	Gly	Asp	Ser	Val	Val	Leu	Lys	Gln
				380					385					390
Asp	Ser	Ile	Tyr	Tyr	Glu	His	Phe	Tyr	Asn	Glu	Leu	Gln	Pro	Trp
				395					400					405

PF-0565 USN

Lys	His	Tyr	Ile	Pro	Val	Lys	Ser	Asn	Leu	Ser	Asp	Leu	Leu	Glu	
				410					415					420	
Lys	Leu	Lys	Trp	Ala	Lys	Asp	His	Asp	Glu	Glu	Ala	Lys	Lys	Ile	
				425					430					435	
Ala	Lys	Ala	Gly	Gln	Glu	Phe	Ala	Arg	Asn	Asn	Leu	Met	Gly	Asp	
				440					445					450	
Asp	Ile	Phe	Cys	Tyr	Tyr	Phe	Lys	Leu	Phe	Gln	Glu	Tyr	Ala	Asn	
				455					460					465	
Leu	Gln	Val	Ser	Glu	Pro	Gln	Ile	Arg	Glu	Gly	Met	Lys	Arg	Val	
				470					475					480	
Glu	Pro	Gln	Thr	Glu	Asp	Asp	Leu	Phe	Pro	Cys	Thr	Cys	His	Arg	
				485					490					495	
Lys	Lys	Thr	Lys	Asp	Glu	Leu									
				500											

<210> 9

<211> 282

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 5116906CD1

<400> 9

Met	Trp	Ala	Cys	Gly	Val	Ile	Leu	Tyr	Ile	Leu	Leu	Val	Gly	Tyr	
1				5					10					15	
Pro	Pro	Phe	Trp	Asp	Glu	Asp	Gln	His	Arg	Leu	Tyr	Gln	Gln	Ile	
				20					25					30	
Lys	Ala	Gly	Ala	Tyr	Asp	Phe	Pro	Ser	Pro	Glu	Trp	Asp	Thr	Val	
				35					40					45	
Thr	Pro	Glu	Ala	Lys	Asp	Leu	Ile	Asn	Lys	Met	Leu	Thr	Ile	Asn	
				50					55					60	
Pro	Ala	Lys	Arg	Ile	Thr	Ala	Ser	Glu	Ala	Leu	Lys	His	Pro	Trp	
				65					70					75	
Ile	Cys	Gln	Arg	Ser	Thr	Val	Ala	Ser	Met	Met	His	Arg	Gln	Glu	
				80					85					90	
Thr	Val	Asp	Cys	Leu	Lys	Lys	Phe	Asn	Ala	Arg	Arg	Lys	Leu	Lys	
				95					100					105	
Gly	Ala	Ile	Leu	Thr	Thr	Met	Leu	Ala	Thr	Arg	Asn	Phe	Ser	Ala	
				110					115					120	
Ala	Lys	Ser	Leu	Leu	Lys	Lys	Pro	Asp	Gly	Val	Lys	Glu	Ser	Thr	
				125					130					135	
Glu	Ser	Ser	Asn	Thr	Thr	Ile	Glu	Asp	Glu	Asp	Val	Lys	Ala	Arg	
				140					145					150	
Lys	Gln	Glu	Ile	Ile	Lys	Val	Thr	Glu	Gln	Leu	Ile	Glu	Ala	Ile	
				155					160					165	
Asn	Asn	Gly	Asp	Phe	Glu	Ala	Tyr	Thr	Lys	Ile	Cys	Asp	Pro	Gly	
				170					175					180	
Leu	Thr	Ala	Phe	Glu	Pro	Glu	Ala	Leu	Gly	Asn	Leu	Val	Glu	Gly	
				185					190					195	
Met	Asp	Phe	His	Arg	Phe	Tyr	Phe	Glu	Asn	Ala	Leu	Ser	Lys	Ser	
				200					205					210	
Asn	Lys	Pro	Ile	His	Thr	Ile	Ile	Leu	Asn	Pro	His	Val	His	Leu	
				215					220					225	
Val	Gly	Asp	Asp	Ala	Ala	Cys	Ile	Ala	Tyr	Ile	Arg	Leu	Thr	Gln	
				230					235					240	
Tyr	Met	Asp	Gly	Ser	Gly	Met	Pro	Lys	Thr	Met	Gln	Ser	Glu	Glu	
				245					250					255	

PF-0565 USN

Thr	Arg	Val	Trp	His	Arg	Arg	Asp	Gly	Lys	Trp	Gln	Asn	Val	His
				260					265					270
Phe	His	Arg	Ser	Gly	Ser	Pro	Thr	Val	Pro	Ile	Asn			
				275					280					

<210> 10  
 <211> 510  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 940589CD1

<400> 10

Met	Lys	Ala	Asp	Ile	Lys	Ile	Trp	Ile	Leu	Thr	Gly	Asp	Lys	Gln
1				5					10					15
Glu	Thr	Ala	Ile	Asn	Ile	Gly	His	Ser	Cys	Lys	Leu	Leu	Lys	Lys
				20					25					30
Asn	Met	Gly	Met	Ile	Val	Ile	Asn	Glu	Gly	Ser	Leu	Asp	Ser	Phe
				35					40					45
Ser	Asn	Thr	Gln	Asn	Ser	Arg	Lys	Glu	Ala	Val	Leu	Leu	Ala	Lys
				50					55					60
Met	Lys	His	Pro	Asn	Ile	Val	Ala	Phe	Lys	Glu	Ser	Phe	Glu	Ala
				65					70					75
Glu	Gly	His	Leu	Tyr	Ile	Val	Met	Glu	Tyr	Cys	Asp	Gly	Gly	Asp
				80					85					90
Leu	Met	Gln	Lys	Ile	Lys	Gln	Gln	Lys	Gly	Lys	Leu	Phe	Pro	Glu
				95					100					105
Asp	Met	Ile	Leu	Asn	Trp	Phe	Thr	Gln	Met	Cys	Leu	Gly	Val	Asn
				110					115					120
His	Ile	His	Lys	Lys	Arg	Val	Leu	His	Arg	Asp	Ile	Lys	Ser	Lys
				125					130					135
Asn	Ile	Phe	Leu	Thr	Gln	Asn	Gly	Lys	Val	Lys	Leu	Gly	Asp	Phe
				140					145					150
Gly	Ser	Ala	Arg	Leu	Leu	Ser	Asn	Pro	Met	Ala	Phe	Ala	Cys	Thr
				155					160					165
Tyr	Val	Gly	Thr	Pro	Tyr	Tyr	Val	Pro	Pro	Glu	Ile	Trp	Glu	Asn
				170					175					180
Leu	Pro	Tyr	Asn	Asn	Lys	Ser	Asp	Ile	Trp	Ser	Leu	Gly	Cys	Ile
				185					190					195
Leu	Tyr	Glu	Leu	Cys	Thr	Leu	Lys	His	Pro	Phe	Gln	Ala	Asn	Ser
				200					205					210
Trp	Lys	Asn	Leu	Ile	Leu	Lys	Val	Cys	Gln	Gly	Cys	Ile	Ser	Pro
				215					220					225
Leu	Pro	Ser	His	Tyr	Ser	Tyr	Glu	Leu	Gln	Phe	Leu	Val	Lys	Gln
				230					235					240
Met	Phe	Lys	Arg	Asn	Pro	Ser	His	Arg	Pro	Ser	Ala	Thr	Thr	Leu
				245					250					255
Leu	Ser	Arg	Gly	Ile	Val	Ala	Arg	Leu	Val	Gln	Lys	Cys	Leu	Pro
				260					265					270
Pro	Glu	Ile	Ile	Met	Glu	Tyr	Gly	Glu	Glu	Val	Leu	Glu	Glu	Ile
				275					280					285
Lys	Asn	Ser	Lys	His	Asn	Thr	Pro	Arg	Lys	Lys	Thr	Asn	Pro	Ser
				290					295					300
Arg	Ile	Arg	Ile	Ala	Leu	Gly	Asn	Glu	Ala	Ser	Thr	Val	Gln	Glu
				305					310					315
Glu	Glu	Gln	Asp	Arg	Lys	Gly	Ser	His	Thr	Asp	Leu	Glu	Ser	Ile
				320					325					330

PF-0565 USN

Asn	Glu	Asn	Leu	Val	Glu	Ser	Ala	Leu	Arg	Arg	Val	Asn	Arg	Glu	
				335					340					345	
Glu	Lys	Gly	Asn	Lys	Ser	Val	His	Leu	Arg	Lys	Ala	Ser	Ser	Pro	
				350					355					360	
Asn	Leu	His	Arg	Arg	Gln	Trp	Glu	Lys	Asn	Val	Pro	Asn	Thr	Ala	
				365					370					375	
Leu	Thr	Ala	Leu	Glu	Asn	Ala	Ser	Ile	Leu	Thr	Ser	Ser	Leu	Thr	
				380					385					390	
Ala	Glu	Asp	Asp	Arg	Gly	Gly	Ser	Val	Ile	Lys	Tyr	Ser	Lys	Asn	
				395					400					405	
Thr	Thr	Arg	Lys	Gln	Trp	Leu	Lys	Glu	Thr	Pro	Asp	Thr	Leu	Leu	
				410					415					420	
Asn	Ile	Leu	Lys	Asn	Ala	Asp	Leu	Ser	Leu	Ala	Phe	Gln	Thr	Tyr	
				425					430					435	
Thr	Ile	Tyr	Arg	Pro	Gly	Ser	Glu	Gly	Phe	Leu	Lys	Gly	Pro	Leu	
				440					445					450	
Ser	Glu	Glu	Thr	Glu	Ala	Ser	Asp	Ser	Val	Asp	Gly	Gly	His	Asp	
				455					460					465	
Ser	Val	Ile	Leu	Asp	Pro	Glu	Arg	Leu	Glu	Pro	Gly	Leu	Asp	Glu	
				470					475					480	
Glu	Asp	Thr	Asp	Phe	Glu	Glu	Glu	Asp	Asp	Asn	Pro	Asp	Trp	Val	
				485					490					495	
Ser	Glu	Leu	Lys	Lys	Arg	Ala	Gly	Trp	Gln	Gly	Leu	Cys	Asp	Arg	
				500					505					510	

<210> 11

<211> 248

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 304421CD1

<400> 11

Met	Ala	Glu	Thr	Ser	Leu	Pro	Glu	Leu	Gly	Gly	Glu	Asp	Lys	Ala	
1				5					10					15	
Thr	Pro	Cys	Pro	Ser	Ile	Leu	Glu	Leu	Glu	Glu	Leu	Leu	Arg	Ala	
				20					25					30	
Gly	Lys	Ser	Ser	Cys	Ser	Arg	Val	Asp	Glu	Val	Trp	Pro	Asn	Leu	
				35					40					45	
Phe	Ile	Gly	Asp	Ala	Met	Asp	Ser	Leu	Gln	Lys	Gln	Asp	Leu	Arg	
				50					55					60	
Arg	Pro	Lys	Ile	His	Gly	Ala	Val	Gln	Ala	Ser	Pro	Tyr	Gln	Pro	
				65					70					75	
Pro	Thr	Leu	Ala	Ser	Leu	Gln	Arg	Leu	Leu	Trp	Val	Arg	Gln	Ala	
				80					85					90	
Ala	Thr	Leu	Asn	His	Ile	Asp	Glu	Val	Trp	Pro	Ser	Leu	Phe	Leu	
				95					100					105	
Gly	Asp	Ala	Tyr	Ala	Ala	Arg	Asp	Lys	Ser	Lys	Leu	Ile	Gln	Leu	
				110					115					120	
Gly	Ile	Thr	His	Val	Val	Asn	Ala	Ala	Ala	Gly	Lys	Phe	Gln	Val	
				125					130					135	
Asp	Thr	Gly	Ala	Lys	Phe	Tyr	Arg	Gly	Met	Ser	Leu	Glu	Tyr	Tyr	
				140					145					150	
Gly	Ile	Glu	Ala	Asp	Asp	Asn	Pro	Phe	Phe	Asp	Leu	Ser	Val	Tyr	
				155					160					165	
Phe	Leu	Pro	Val	Ala	Arg	Tyr	Ile	Arg	Ala	Ala	Leu	Ser	Val	Pro	

PF-0565 USN

Gln Gly Arg Val	170	175	180
Leu Val His Cys Ala Met Gly Val Ser Arg Ser	185	190	195
Ala Thr Leu Val Leu Ala Phe Leu Met Ile Tyr Glu Asn Met Thr	200	205	210
Leu Val Glu Ala Ile Gln Thr Val Gln Ala His Arg Asn Ile Cys	215	220	225
Pro Asn Ser Gly Phe Leu Arg Gln Leu Gln Val Leu Asp Asn Arg	230	235	240
Leu Gly Arg Glu Thr Gly Arg Phe	245		

<210> 12  
 <211> 810  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1213802CD1

<400> 12

Met Pro Asn Gln Gly Glu Asp Cys Tyr Phe Phe Phe Tyr Ser Thr	1	5	10	15
Cys Thr Lys Gly Asp Ser Cys Pro Phe Arg His Cys Glu Ala Ala	20	25	30	35
Ile Gly Asn Glu Thr Val Cys Thr Leu Trp Gln Glu Gly Arg Cys	40	45	50	55
Phe Arg Gln Val Cys Arg Phe Arg His Met Glu Ile Asp Lys Lys	60	65	70	75
Arg Ser Glu Ile Pro Cys Tyr Trp Glu Asn Gln Pro Thr Gly Cys	80	85	90	95
Gln Lys Leu Asn Cys Ala Phe His His Asn Arg Gly Arg Tyr Val	100	105	110	115
Asp Gly Leu Phe Leu Pro Pro Ser Lys Thr Val Leu Pro Thr Val	120	125	130	135
Pro Glu Ser Pro Glu Glu Glu Val Lys Ala Ser Gln Leu Ser Val	140	145	150	155
Gln Gln Asn Lys Leu Ser Val Gln Ser Asn Pro Ser Pro Gln Leu	160	165	170	175
Arg Ser Val Met Lys Val Glu Ser Ser Glu Asn Val Pro Ser Pro	180	185	190	195
Thr His Pro Pro Val Val Ile Asn Ala Ala Asp Asp Asp Glu Asp	200	205	210	215
Asp Asp Asp Gln Phe Ser Glu Glu Gly Asp Glu Thr Lys Thr Pro	220	225	230	235
Thr Leu Gln Pro Thr Pro Glu Val His Asn Gly Leu Arg Val Thr	240	245	250	255
Ser Val Arg Lys Pro Ala Val Asn Ile Lys Gln Gly Glu Cys Leu	260	265	270	275
Asn Phe Gly Ile Lys Thr Leu Glu Glu Ile Lys Ser Lys Lys Met	280	285	290	295
Lys Glu Lys Ser Lys Lys Gln Gly Glu Gly Ser Ser Gly Val Ser	300	305	310	315
Ser Leu Leu Leu His Pro Glu Pro Val Pro Gly Pro Glu Lys Glu	320	325	330	335
Asn Val Arg Thr Val Val Arg Thr Val Thr Leu Ser Thr Lys Gln	340	345	350	355
Gly Glu Glu Pro Leu Val Arg Leu Ser Leu Thr Glu Arg Leu Gly	360	365	370	375

				275					280					285
Lys	Arg	Lys	Phe	Ser	Ala	Gly	Gly	Asp	Ser	Asp	Pro	Pro	Leu	Lys
				290					295					300
Arg	Ser	Leu	Ala	Gln	Arg	Leu	Gly	Lys	Lys	Val	Glu	Ala	Pro	Glu
				305					310					315
Thr	Asn	Ile	Asp	Lys	Thr	Pro	Lys	Lys	Ala	Gln	Val	Ser	Lys	Ser
				320					325					330
Leu	Lys	Glu	Arg	Leu	Gly	Met	Ser	Ala	Asp	Pro	Asp	Asn	Glu	Asp
				335					340					345
Ala	Thr	Asp	Lys	Val	Asn	Lys	Val	Gly	Glu	Ile	His	Val	Lys	Thr
				350					355					360
Leu	Glu	Glu	Ile	Leu	Leu	Glu	Arg	Ala	Ser	Gln	Lys	Arg	Gly	Glu
				365					370					375
Leu	Gln	Thr	Lys	Leu	Lys	Thr	Glu	Gly	Pro	Ser	Lys	Thr	Asp	Asp
				380					385					390
Ser	Thr	Ser	Gly	Ala	Arg	Ser	Ser	Ser	Thr	Ile	Arg	Ile	Lys	Thr
				395					400					405
Phe	Ser	Glu	Val	Leu	Ala	Glu	Lys	Lys	His	Arg	Gln	Gln	Glu	Ala
				410					415					420
Glu	Arg	Gln	Lys	Ser	Lys	Lys	Asp	Thr	Thr	Cys	Ile	Lys	Leu	Lys
				425					430					435
Ile	Asp	Ser	Glu	Ile	Lys	Lys	Thr	Val	Val	Leu	Pro	Pro	Ile	Val
				440					445					450
Ala	Ser	Arg	Gly	Gln	Ser	Glu	Glu	Pro	Ala	Gly	Lys	Thr	Lys	Ser
				455					460					465
Met	Gln	Glu	Val	His	Ile	Lys	Thr	Leu	Glu	Glu	Ile	Lys	Leu	Glu
				470					475					480
Lys	Ala	Leu	Arg	Val	Gln	Gln	Ser	Ser	Glu	Ser	Ser	Thr	Ser	Ser
				485					490					495
Pro	Ser	Gln	His	Glu	Ala	Thr	Pro	Gly	Ala	Arg	Arg	Leu	Leu	Arg
				500					505					510
Ile	Thr	Lys	Arg	Thr	Gly	Met	Lys	Glu	Glu	Lys	Asn	Leu	Gln	Glu
				515					520					525
Gly	Asn	Glu	Val	Asp	Ser	Gln	Ser	Ser	Ile	Arg	Thr	Glu	Ala	Lys
				530					535					540
Glu	Ala	Ser	Gly	Glu	Thr	Thr	Gly	Val	Asp	Ile	Thr	Lys	Ile	Gln
				545					550					555
Val	Lys	Arg	Cys	Glu	Thr	Met	Arg	Glu	Lys	His	Met	Gln	Lys	Gln
				560					565					570
Gln	Glu	Arg	Glu	Lys	Ser	Val	Leu	Thr	Pro	Leu	Arg	Gly	Asp	Val
				575					580					585
Ala	Ser	Cys	Asn	Thr	Gln	Val	Ala	Glu	Lys	Pro	Val	Leu	Thr	Ala
				590					595					600
Val	Pro	Gly	Ile	Thr	Arg	His	Leu	Thr	Lys	Arg	Leu	Pro	Thr	Lys
				605					610					615
Ser	Ser	Gln	Lys	Val	Glu	Val	Glu	Thr	Ser	Gly	Ile	Gly	Asp	Ser
				620					625					630
Leu	Leu	Asn	Val	Lys	Cys	Ala	Ala	Gln	Thr	Leu	Glu	Lys	Arg	Gly
				635					640					645
Lys	Ala	Lys	Pro	Lys	Val	Asn	Val	Lys	Pro	Ser	Val	Val	Lys	Val
				650					655					660
Val	Ser	Ser	Pro	Lys	Leu	Ala	Pro	Lys	Arg	Lys	Ala	Val	Glu	Met
				665					670					675
His	Ala	Ala	Val	Ile	Ala	Ala	Val	Lys	Pro	Leu	Ser	Ser	Ser	Ser
				680					685					690
Val	Leu	Gln	Glu	Pro	Pro	Ala	Lys	Lys	Ala	Ala	Val	Ala	Val	Val
				695					700					705
Pro	Leu	Val	Ser	Glu	Asp	Lys	Ser	Val	Thr	Val	Pro	Glu	Ala	Glu
				710					715					720

PF-0565 USN

Asn	Pro	Arg	Asp	Ser	Leu	Val	Leu	Pro	Pro	Thr	Gln	Ser	Ser	Ser		
				725					730							735
Asp	Ser	Ser	Pro	Pro	Glu	Val	Ser	Gly	Pro	Ser	Ser	Ser	Gln	Met		
				740					745							750
Ser	Met	Lys	Thr	Arg	Arg	Leu	Ser	Ser	Ala	Ser	Thr	Gly	Lys	Pro		
				755					760							765
Pro	Leu	Ser	Val	Glu	Asp	Asp	Phe	Glu	Lys	Leu	Ile	Trp	Glu	Ile		
				770					775							780
Ser	Gly	Gly	Lys	Leu	Glu	Ala	Glu	Ile	Asp	Leu	Asp	Pro	Gly	Lys		
				785					790							795
Asp	Glu	Asp	Asp	Leu	Leu	Leu	Glu	Leu	Ser	Glu	Met	Ile	Asp	Ser		
				800					805							810

<210> 13

<211> 549

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1378134CD1

<400> 13

Met	Arg	Arg	Arg	Ala	Ser	Asn	Ala	Ala	Ala	Ala	Ala	His	Thr	Ile		
1				5					10					15		
Gly	Gly	Ser	Lys	His	Thr	Met	Asn	Asp	His	Leu	His	Val	Gly	Ser		
				20					25					30		
His	Ala	His	Gly	Gln	Ile	Gln	Val	Arg	Gln	Leu	Phe	Glu	Asp	Asn		
				35					40					45		
Ser	Asn	Lys	Arg	Thr	Val	Leu	Thr	Thr	Gln	Pro	Asn	Gly	Leu	Thr		
				50					55					60		
Thr	Val	Gly	Lys	Thr	Gly	Leu	Pro	Val	Val	Pro	Glu	Arg	Gln	Leu		
				65					70					75		
Asp	Ser	Ile	His	Arg	Arg	Gln	Gly	Ser	Ser	Thr	Ser	Leu	Lys	Ser		
				80					85					90		
Met	Glu	Gly	Met	Gly	Lys	Val	Lys	Ala	Thr	Pro	Met	Thr	Pro	Glu		
				95					100					105		
Gln	Ala	Met	Lys	Gln	Tyr	Met	Gln	Lys	Leu	Thr	Ala	Phe	Glu	His		
				110					115					120		
His	Glu	Ile	Phe	Ser	Tyr	Pro	Glu	Ile	Tyr	Phe	Leu	Gly	Leu	Asn		
				125					130					135		
Ala	Lys	Lys	Arg	Gln	Gly	Met	Thr	Gly	Gly	Pro	Asn	Asn	Gly	Gly		
				140					145					150		
Tyr	Asp	Asp	Asp	Gln	Gly	Ser	Tyr	Val	Gln	Val	Pro	His	Asp	His		
				155					160					165		
Val	Ala	Tyr	Arg	Tyr	Glu	Val	Leu	Lys	Val	Ile	Gly	Lys	Gly	Ser		
				170					175					180		
Phe	Gly	Gln	Val	Val	Lys	Ala	Tyr	Asp	His	Lys	Val	His	Gln	His		
				185					190					195		
Val	Ala	Leu	Lys	Met	Val	Arg	Asn	Glu	Lys	Arg	Phe	His	Arg	Gln		
				200					205					210		
Ala	Ala	Glu	Glu	Ile	Arg	Ile	Leu	Glu	His	Leu	Arg	Lys	Gln	Asp		
				215					220					225		
Lys	Asp	Asn	Thr	Met	Asn	Val	Ile	His	Met	Leu	Glu	Asn	Phe	Thr		
				230					235					240		
Phe	Arg	Asn	His	Ile	Cys	Met	Thr	Phe	Glu	Leu	Leu	Ser	Met	Asn		
				245					250					255		
Leu	Tyr	Glu	Leu	Ile	Lys	Lys	Asn	Lys	Phe	Gln	Gly	Phe	Ser	Leu		

PF-0565 USN

Pro Leu Val Arg	260	Lys Phe Ala His Ser	265	Ile Leu Gln Cys Leu Asp	270
	275		280		285
Ala Leu His Lys	290	Asn Arg Ile Ile His	295	Cys Asp Leu Lys Pro Glu	300
	305		310		315
Asn Ile Leu Leu	320	Lys Gln Gln Gly Arg	325	Ser Gly Ile Lys Val Ile	330
	335		340		345
Asp Phe Gly Ser	350	Ser Cys Tyr Glu His	355	Gln Arg Val Tyr Thr Tyr	360
	365		370		375
Ile Gln Ser Arg	380	Phe Tyr Arg Ala Pro	385	Glu Val Ile Leu Gly Ala	390
	395		400		405
Arg Tyr Gly Met	410	Pro Ile Asp Met Trp	415	Ser Leu Gly Cys Ile Leu	420
	425		430		435
Ala Glu Leu Leu	440	Thr Gly Tyr Pro Leu	445	Leu Pro Gly Glu Asp Glu	450
	455		460		465
Gly Asp Gln Leu	470	Ala Cys Met Ile Glu	475	Leu Leu Gly Met Pro Ser	480
	485		490		495
Gln Lys Leu Leu	500	Asp Ala Ser Lys Arg	505	Ala Lys Asn Phe Val Ser	510
	515		520		525
Ser Lys Gly Tyr	530	Pro Arg Tyr Cys Thr	535	Val Thr Thr Leu Ser Asp	540
	545				
Gly Ser Val Val		Leu Asn Gly Gly Arg		Ser Arg Arg Gly Lys Leu	
Arg Gly Pro Pro		Glu Ser Arg Glu Trp		Gly Asn Ala Leu Lys Gly	
Cys Asp Asp Pro		Leu Phe Leu Asp Phe		Leu Lys Gln Cys Leu Glu	
Trp Asp Pro Ala		Val Arg Met Thr Pro		Gly Gln Ala Leu Arg His	
Pro Trp Leu Arg		Arg Arg Leu Pro Lys		Pro Pro Thr Gly Glu Lys	
Thr Ser Val Lys		Arg Ile Thr Glu Ser		Thr Gly Ala Ile Thr Ser	
Ile Ser Lys Leu		Pro Pro Pro Ser Ser		Ser Ala Ser Lys Leu Arg	
Thr Asn Leu Ala		Gln Met Thr Asp Ala		Asn Gly Asn Ile Gln Gln	
Arg Thr Val Leu		Pro Lys Leu Val Ser			

<210> 14

<211> 416

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1490070CD1

<400> 14

Met Met Pro Gln Leu	5	Gln Phe Lys Asp Ala	10	Phe Trp Cys Arg Asp	15
	20		25		30
Phe Thr Ala His Thr	35	Gly Tyr Glu Val Leu	40	Leu Gln Arg Leu Leu	45
	50		55		60
Asp Gly Arg Lys Met		Cys Lys Asp Met Val		Glu Leu Leu Trp Gln	
Arg Ala Gln Ala Glu		Glu Arg Tyr Gly Lys		Glu Leu Val Gln Ile	
Ala Arg Lys Ala Gly		Gly Gln Thr Glu Ile		Asn Ser Leu Arg Ala	



				65					70					75
Ser	Phe	Asp	Ser	Leu	Lys	Gln	Gln	Met	Glu	Asn	Val	Gly	Ser	Ser
				80					85					90
His	Ile	Gln	Leu	Ala	Leu	Thr	Leu	Arg	Glu	Glu	Leu	Arg	Ser	Leu
				95					100					105
Glu	Glu	Phe	Arg	Glu	Arg	Gln	Lys	Glu	Gln	Arg	Lys	Lys	Tyr	Glu
				110					115					120
Ala	Val	Met	Asp	Arg	Val	Gln	Lys	Ser	Lys	Leu	Ser	Leu	Tyr	Lys
				125					130					135
Lys	Ala	Met	Glu	Ser	Lys	Lys	Thr	Tyr	Glu	Gln	Lys	Cys	Arg	Asp
				140					145					150
Ala	Asp	Asp	Ala	Glu	Gln	Ala	Phe	Glu	Arg	Ile	Ser	Ala	Asn	Gly
				155					160					165
His	Gln	Lys	Gln	Val	Glu	Lys	Ser	Gln	Asn	Lys	Ala	Arg	Gln	Cys
				170					175					180
Lys	Asp	Ser	Ala	Thr	Glu	Ala	Glu	Arg	Val	Tyr	Arg	Gln	Ser	Ile
				185					190					195
Ala	Gln	Leu	Glu	Lys	Val	Arg	Ala	Glu	Trp	Glu	Gln	Glu	His	Arg
				200					205					210
Thr	Thr	Cys	Glu	Ala	Phe	Gln	Leu	Gln	Glu	Phe	Asp	Arg	Leu	Thr
				215					220					225
Ile	Leu	Arg	Asn	Ala	Leu	Trp	Val	His	Ser	Asn	Gln	Leu	Ser	Met
				230					235					240
Gln	Cys	Val	Lys	Asp	Asp	Glu	Leu	Tyr	Glu	Glu	Val	Arg	Leu	Thr
				245					250					255
Leu	Glu	Gly	Cys	Ser	Ile	Asp	Ala	Asp	Ile	Asp	Ser	Phe	Ile	Gln
				260					265					270
Ala	Lys	Ser	Thr	Gly	Thr	Glu	Pro	Pro	Ala	Pro	Val	Pro	Tyr	Gln
				275					280					285
Asn	Tyr	Tyr	Asp	Arg	Glu	Val	Thr	Pro	Leu	Thr	Ser	Ser	Pro	Gly
				290					295					300
Ile	Gln	Pro	Ser	Cys	Gly	Met	Ile	Lys	Arg	Phe	Ser	Gly	Leu	Leu
				305					310					315
His	Gly	Ser	Pro	Lys	Thr	Thr	Ser	Leu	Ala	Ala	Ser	Ala	Ala	Ser
				320					325					330
Thr	Glu	Thr	Leu	Thr	Pro	Thr	Pro	Glu	Arg	Asn	Glu	Gly	Val	Tyr
				335					340					345
Thr	Ala	Ile	Ala	Val	Gln	Glu	Ile	Gln	Gly	Asn	Pro	Ala	Ser	Pro
				350					355					360
Ala	Gln	Glu	Tyr	Arg	Ala	Leu	Tyr	Asp	Tyr	Thr	Ala	Gln	Asn	Pro
				365					370					375
Asp	Glu	Leu	Asp	Leu	Ser	Ala	Gly	Asp	Ile	Leu	Glu	Val	Ile	Leu
				380					385					390
Glu	Gly	Glu	Asp	Gly	Trp	Trp	Thr	Val	Glu	Arg	Asn	Gly	Gln	Arg
				395					400					405
Gly	Phe	Val	Pro	Gly	Ser	Tyr	Leu	Glu	Lys	Leu				
				410					415					

<210> 15

<211> 425

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1997814CD1

<400> 15

Met Glu Gln Gly Leu Glu Glu Glu Glu Glu Val Asp Pro Arg Ile

1	5	10	15
Gln Gly Glu Leu Glu	Lys Leu Asn Gln Ser	Thr Asp Asp Ile Asn	
20	25		30
Arg Arg Glu Thr Glu	Leu Glu Asp Ala Arg	Gln Lys Phe Arg Ser	
35	40		45
Val Leu Val Glu Ala	Thr Val Lys Leu Asp	Glu Leu Val Lys Lys	
50	55		60
Ile Gly Lys Ala Val	Glu Asp Ser Lys Pro	Tyr Trp Glu Ala Arg	
65	70		75
Arg Val Ala Arg Gln	Ala Gln Leu Glu Ala	Gln Lys Ala Thr Gln	
80	85		90
Asp Phe Gln Arg Ala	Thr Glu Val Leu Arg	Ala Ala Lys Glu Thr	
95	100		105
Ile Ser Leu Ala Glu	Gln Arg Leu Leu Glu	Asp Asp Lys Arg Gln	
110	115		120
Phe Asp Ser Ala Trp	Gln Glu Met Leu Asn	His Ala Thr Gln Arg	
125	130		135
Val Met Glu Ala Glu	Gln Thr Lys Thr Arg	Ser Glu Leu Val His	
140	145		150
Lys Glu Thr Ala Ala	Arg Tyr Asn Ala Ala	Met Gly Arg Met Arg	
155	160		165
Gln Leu Glu Lys Lys	Leu Lys Arg Ala Ile	Asn Lys Ser Lys Pro	
170	175		180
Tyr Phe Glu Leu Lys	Ala Lys Tyr Tyr Val	Gln Leu Glu Gln Leu	
185	190		195
Lys Lys Thr Val Asp	Asp Leu Gln Ala Lys	Leu Thr Leu Ala Lys	
200	205		210
Gly Glu Tyr Lys Met	Ala Leu Lys Asn Leu	Glu Met Ile Ser Asp	
215	220		225
Glu Ile His Glu Arg	Arg Arg Ser Ser Ala	Met Gly Pro Arg Gly	
230	235		240
Cys Gly Val Gly Ala	Glu Gly Ser Ser Thr	Ser Val Glu Asp Leu	
245	250		255
Pro Gly Ser Lys Pro	Glu Pro Asp Ala Ile	Ser Val Ala Ser Glu	
260	265		270
Ala Phe Glu Asp Asp	Ser Cys Ser Asn Phe	Val Ser Glu Asp Asp	
275	280		285
Ser Glu Thr Gln Ser	Val Ser Ser Phe Ser	Ser Gly Pro Thr Ser	
290	295		300
Pro Ser Glu Met Pro	Asp Gln Phe Pro Ala	Val Val Arg Pro Gly	
305	310		315
Ser Leu Asp Leu Pro	Ser Pro Val Ser Leu	Ser Glu Phe Gly Met	
320	325		330
Met Phe Pro Val Leu	Gly Pro Arg Ser Glu	Cys Ser Gly Ala Ser	
335	340		345
Ser Pro Glu Cys Glu	Val Glu Arg Gly Asp	Arg Ala Glu Gly Ala	
350	355		360
Glu Asn Lys Thr Ser	Asp Lys Ala Asn Asn	Asn Arg Gly Leu Ser	
365	370		375
Ser Ser Ser Gly Ser	Gly Gly Ser Ser Lys	Ser Gln Ser Ser Thr	
380	385		390
Ser Pro Glu Gly Gln	Ala Leu Glu Asn Arg	Met Lys Gln Leu Ser	
395	400		405
Leu Gln Cys Ser Lys	Gly Arg Asp Gly Ile	Ile Ala Asp Ile Lys	
410	415		420
Met Val Gln Ile Gly			
425			

&lt;210&gt; 16

PF-0565 USN

<211> 1135

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2299715CD1

<400> 16

Met	Ala	Asn	Asp	Ser	Pro	Ala	Lys	Ser	Leu	Val	Asp	Ile	Asp	Leu	
1				5					10					15	
Ser	Ser	Leu	Arg	Asp	Pro	Ala	Gly	Ile	Phe	Glu	Leu	Val	Glu	Val	
			20						25					30	
Val	Gly	Asn	Gly	Thr	Tyr	Gly	Gln	Val	Tyr	Lys	Gly	Arg	His	Val	
			35						40					45	
Lys	Thr	Gly	Gln	Leu	Ala	Ala	Ile	Lys	Val	Met	Asp	Val	Thr	Glu	
			50						55					60	
Asp	Glu	Glu	Glu	Glu	Ile	Lys	Leu	Glu	Ile	Asn	Met	Leu	Lys	Lys	
			65						70					75	
Tyr	Ser	His	His	Arg	Asn	Ile	Ala	Thr	Tyr	Tyr	Gly	Ala	Phe	Ile	
			80						85					90	
Lys	Lys	Ser	Pro	Pro	Gly	His	Asp	Asp	Gln	Leu	Trp	Leu	Val	Met	
			95						100					105	
Glu	Phe	Cys	Gly	Ala	Gly	Ser	Ile	Thr	Asp	Leu	Val	Lys	Asn	Thr	
			110						115					120	
Lys	Gly	Asn	Thr	Leu	Lys	Glu	Asp	Trp	Ile	Ala	Tyr	Ile	Ser	Arg	
			125						130					135	
Glu	Ile	Leu	Arg	Gly	Leu	Ala	His	Leu	His	Ile	His	His	Val	Ile	
			140						145					150	
His	Arg	Asp	Ile	Lys	Gly	Gln	Asn	Val	Leu	Leu	Thr	Glu	Asn	Ala	
			155						160					165	
Gly	Val	Lys	Leu	Val	Asp	Phe	Gly	Val	Ser	Ala	Gln	Leu	Asp	Arg	
			170						175					180	
Thr	Val	Gly	Arg	Arg	Asn	Thr	Phe	Ile	Gly	Thr	Pro	Tyr	Trp	Met	
			185						190					195	
Ala	Pro	Glu	Val	Ile	Ala	Cys	Asp	Glu	Asn	Pro	Asp	Ala	Thr	Tyr	
			200						205					210	
Asp	Tyr	Arg	Ser	Asp	Leu	Trp	Ser	Cys	Gly	Ile	Thr	Ala	Ile	Glu	
			215						220					225	
Met	Ala	Glu	Gly	Ala	Pro	Pro	Leu	Cys	Asp	Met	His	Pro	Met	Arg	
			230						235					240	
Ala	Leu	Phe	Leu	Ile	Pro	Arg	Asn	Pro	Pro	Pro	Arg	Leu	Lys	Ser	
			245						250					255	
Lys	Lys	Trp	Ser	Lys	Lys	Phe	Phe	Ser	Phe	Ile	Glu	Gly	Cys	Leu	
			260						265					270	
Val	Lys	Asn	Tyr	Met	Gln	Arg	Pro	Ser	Thr	Glu	Gln	Leu	Leu	Lys	
			275						280					285	
His	Pro	Phe	Ile	Arg	Asp	Gln	Pro	Asn	Glu	Arg	Gln	Val	Arg	Ile	
			290						295					300	
Gln	Leu	Lys	Asp	His	Ile	Asp	Arg	Thr	Arg	Lys	Lys	Arg	Gly	Glu	
			305						310					315	
Lys	Asp	Glu	Thr	Glu	Tyr	Glu	Tyr	Ser	Gly	Ser	Glu	Glu	Glu	Glu	
			320						325					330	
Glu	Glu	Val	Pro	Glu	Gln	Glu	Gly	Glu	Pro	Ser	Ser	Ile	Val	Asn	
			335						340					345	
Val	Pro	Gly	Glu	Ser	Thr	Leu	Arg	Arg	Asp	Phe	Leu	Arg	Leu	Gln	
			350						355					360	
Gln	Glu	Asn	Lys	Glu	Arg	Ser	Glu	Ala	Leu	Arg	Arg	Gln	Gln	Leu	
			365						370					375	

Leu	Gln	Glu	Gln	Gln	Leu	Arg	Glu	Gln	Glu	Glu	Tyr	Lys	Arg	Gln
				380					385					390
Leu	Leu	Ala	Glu	Arg	Gln	Lys	Arg	Ile	Glu	Gln	Gln	Lys	Glu	Gln
				395					400					405
Arg	Arg	Arg	Leu	Glu	Glu	Gln	Gln	Arg	Arg	Glu	Arg	Glu	Ala	Arg
				410					415					420
Arg	Gln	Gln	Glu	Arg	Glu	Gln	Arg	Arg	Arg	Glu	Gln	Glu	Glu	Lys
				425					430					435
Arg	Arg	Leu	Glu	Glu	Leu	Glu	Arg	Arg	Arg	Lys	Glu	Glu	Glu	Glu
				440					445					450
Arg	Arg	Arg	Ala	Glu	Glu	Glu	Lys	Arg	Arg	Val	Glu	Arg	Glu	Gln
				455					460					465
Glu	Tyr	Ile	Arg	Arg	Gln	Leu	Glu	Glu	Glu	Gln	Arg	His	Leu	Glu
				470					475					480
Val	Leu	Gln	Gln	Gln	Leu	Leu	Gln	Glu	Gln	Ala	Met	Leu	Leu	His
				485					490					495
Asp	His	Arg	Arg	Pro	His	Pro	Gln	His	Ser	Gln	Gln	Pro	Pro	Pro
				500					505					510
Pro	Gln	Gln	Glu	Arg	Ser	Lys	Pro	Ser	Phe	His	Ala	Pro	Glu	Pro
				515					520					525
Lys	Ala	His	Tyr	Arg	Pro	Ala	Asp	Arg	Ala	Arg	Glu	Val	Pro	Val
				530					535					540
Arg	Thr	Thr	Ser	Arg	Ser	Pro	Val	Leu	Ser	Arg	Arg	Asp	Ser	Pro
				545					550					555
Leu	Gln	Gly	Ser	Gly	Gln	Gln	Asn	Ser	Gln	Ala	Gly	Gln	Arg	Asn
				560					565					570
Ser	Thr	Ser	Ile	Glu	Pro	Arg	Leu	Leu	Trp	Glu	Arg	Val	Glu	Lys
				575					580					585
Leu	Val	Pro	Arg	Pro	Gly	Ser	Gly	Ser	Ser	Ser	Gly	Ser	Ser	Asn
				590					595					600
Ser	Gly	Ser	Gln	Pro	Gly	Ser	His	Pro	Gly	Ser	Gln	Ser	Gly	Ser
				605					610					615
Gly	Glu	Arg	Phe	Arg	Val	Arg	Ser	Ser	Ser	Lys	Ser	Glu	Gly	Ser
				620					625					630
Pro	Ser	Gln	Arg	Leu	Glu	Asn	Ala	Val	Lys	Lys	Pro	Glu	Asp	Lys
				635					640					645
Lys	Glu	Val	Phe	Arg	Pro	Leu	Lys	Pro	Ala	Asp	Leu	Thr	Ala	Leu
				650					655					660
Ala	Lys	Glu	Leu	Arg	Ala	Val	Glu	Asp	Val	Arg	Pro	Pro	His	Lys
				665					670					675
Val	Thr	Asp	Tyr	Ser	Ser	Ser	Ser	Glu	Glu	Ser	Gly	Thr	Thr	Asp
				680					685					690
Glu	Glu	Asp	Asp	Asp	Val	Glu	Gln	Glu	Gly	Ala	Asp	Glu	Ser	Thr
				695					700					705
Ser	Gly	Pro	Glu	Asp	Thr	Arg	Ala	Ala	Ser	Ser	Leu	Asn	Leu	Ser
				710					715					720
Asn	Gly	Glu	Thr	Glu	Ser	Val	Lys	Thr	Met	Ile	Val	His	Asp	Asp
				725					730					735
Val	Glu	Ser	Glu	Pro	Ala	Met	Thr	Pro	Ser	Lys	Glu	Gly	Thr	Leu
				740					745					750
Ile	Val	Arg	Gln	Thr	Gln	Ser	Ala	Ser	Ser	Thr	Leu	Gln	Lys	His
				755					760					765
Lys	Ser	Ser	Ser	Ser	Phe	Thr	Pro	Phe	Ile	Asp	Pro	Arg	Leu	Leu
				770					775					780
Gln	Ile	Ser	Pro	Ser	Ser	Gly	Thr	Thr	Val	Thr	Ser	Val	Val	Gly
				785					790					795
Phe	Ser	Cys	Asp	Gly	Met	Arg	Pro	Glu	Ala	Ile	Arg	Gln	Asp	Pro
				800					805					810
Thr	Arg	Lys	Gly	Ser	Val	Val	Asn	Val	Asn	Pro	Thr	Asn	Thr	Arg

PF-0565 USN

Pro	Gln	Ser	Asp	815	Pro	Glu	Ile	Arg	820	Lys	Tyr	Lys	Lys	Arg	825	Phe
				830					835							840
Asn	Ser	Glu	Ile	845	Leu	Cys	Ala	Ala	850	Leu	Trp	Gly	Val	Asn	Leu	855
Val	Gly	Thr	Glu	860	Ser	Gly	Leu	Met	865	Leu	Leu	Asp	Arg	Ser	Gly	870
Gly	Lys	Val	Tyr	875	Pro	Leu	Ile	Asn	880	Arg	Arg	Phe	Gln	Gln	Met	885
Asp	Val	Leu	Glu	890	Gly	Leu	Asn	Val	895	Val	Thr	Ile	Ser	Gly	Lys	900
Lys	Asp	Lys	Leu	905	Arg	Val	Tyr	Tyr	910	Ser	Trp	Leu	Arg	Asn	Lys	915
Ile	Leu	His	Asn	920	Asp	Pro	Glu	Val	925	Glu	Lys	Lys	Gln	Gly	Trp	930
Thr	Val	Gly	Asp	935	Leu	Glu	Gly	Cys	940	Val	His	Tyr	Lys	Val	Val	945
Tyr	Glu	Arg	Ile	950	Lys	Phe	Leu	Val	955	Ile	Ala	Leu	Lys	Ser	Ser	960
Glu	Val	Tyr	Ala	965	Trp	Ala	Pro	Lys	970	Pro	Tyr	His	Lys	Phe	Met	975
Phe	Lys	Ser	Phe	980	Gly	Glu	Leu	Val	985	His	Gly	Ser	Cys	Ala	Gly	990
His	Ala	Val	Asp	995	Val	Asp	Ser	Gly	1000	Ser	Val	Tyr	Asp	Ile	Tyr	1005
Pro	Thr	His	Ile	1010	Gln	Cys	Ser	Ile	1015	Lys	Pro	His	Ala	Ile	Ile	1020
Leu	Pro	Asn	Thr	1025	Asp	Gly	Met	Glu	1030	Leu	Leu	Val	Cys	Tyr	Glu	1035
Glu	Gly	Val	Tyr	1040	Val	Asn	Thr	Tyr	1045	Gly	Arg	Ile	Thr	Lys	Asp	1050
Val	Leu	Gln	Trp	1055	Gly	Glu	Met	Pro	1060	Thr	Ser	Val	Ala	Tyr	Ile	1065
Ser	Asn	Gln	Thr	1070	Met	Gly	Trp	Gly	1075	Glu	Lys	Ala	Ile	Glu	Ile	1080
Ser	Val	Glu	Thr	1085	Gly	His	Leu	Asp	1090	Gly	Val	Phe	Met	His	Lys	1095
Ala	Gln	Arg	Leu	1100	Lys	Phe	Leu	Cys	1105	Glu	Arg	Asn	Asp	Lys	Val	1110
Phe	Ala	Ser	Val	1115	Arg	Ser	Gly	Gly	1120	Ser	Ser	Gln	Val	Tyr	Phe	1125
Thr	Leu	Gly	Arg	1130	Thr	Ser	Leu	Leu	1135	Ser	Trp					

<210> 17

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 209854CD1

<400> 17

Met	Pro	Thr	Asn	Cys	Ala	Ala	Ala	Gly	Cys	Ala	Thr	Thr	Tyr	Asn
1				5					10					15
Lys	His	Ile	Asn	Ile	Ser	Phe	His	Arg	Phe	Pro	Leu	Asp	Pro	Lys
				20					25					30
Arg	Arg	Lys	Glu	Trp	Val	Arg	Leu	Val	Arg	Arg	Lys	Asn	Phe	Val

PF-0565 USN

				35					40					45
Pro	Gly	Lys	His	Thr	Phe	Leu	Cys	Ser	Lys	His	Phe	Glu	Ala	Ser
				50					55					60
Cys	Phe	Asp	Leu	Thr	Gly	Gln	Thr	Arg	Arg	Leu	Lys	Met	Asp	Ala
				65					70					75
Val	Pro	Thr	Ile	Phe	Asp	Phe	Cys	Thr	His	Ile	Lys	Ser	Met	Lys
				80					85					90
Leu	Lys	Ser	Arg	Asn	Leu	Leu	Lys	Lys	Asn	Asn	Ser	Cys	Ser	Pro
				95					100					105
Ala	Gly	Pro	Ser	Asn	Leu	Lys	Ser	Asn	Ile	Ser	Ser	Gln	Gln	Val
				110					115					120
Leu	Leu	Glu	His	Ser	Tyr	Ala	Phe	Arg	Asn	Pro	Met	Glu	Ala	Lys
				125					130					135
Lys	Arg	Ile	Ile	Lys	Leu	Glu	Lys	Glu	Ile	Ala	Ser	Leu	Arg	Arg
				140					145					150
Lys	Met	Lys	Thr	Cys	Leu	Gln	Lys	Glu	Arg	Arg	Ala	Thr	Arg	Arg
				155					160					165
Trp	Ile	Lys	Ala	Thr	Cys	Leu	Val	Lys	Asn	Leu	Glu	Ala	Asn	Ser
				170					175					180
Val	Leu	Pro	Lys	Gly	Thr	Ser	Glu	His	Met	Leu	Pro	Thr	Ala	Leu
				185					190					195
Ser	Ser	Leu	Pro	Leu	Glu	Asp	Phe	Lys	Ile	Leu	Glu	Gln	Asp	Gln
				200					205					210
Gln	Asp	Lys	Thr	Leu	Leu	Ser	Leu	Asn	Leu	Lys	Gln	Thr	Lys	Ser
				215					220					225
Thr	Phe	Ile												

<210> 18  
 <211> 503  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1384286CD1

<400>	18													
Met	Ala	Thr	Thr	Val	Thr	Cys	Thr	Arg	Phe	Thr	Asp	Glu	Tyr	Gln
1				5					10					15
Leu	Tyr	Glu	Asp	Ile	Gly	Lys	Gly	Ala	Phe	Ser	Val	Val	Arg	Arg
				20					25					30
Cys	Val	Lys	Leu	Cys	Thr	Gly	His	Glu	Tyr	Ala	Ala	Lys	Ile	Ile
				35					40					45
Asn	Thr	Lys	Lys	Leu	Ser	Ala	Arg	Asp	His	Gln	Lys	Leu	Glu	Arg
				50					55					60
Glu	Ala	Arg	Ile	Cys	Arg	Leu	Leu	Lys	His	Ser	Asn	Ile	Val	Arg
				65					70					75
Leu	His	Asp	Ser	Ile	Ser	Glu	Glu	Gly	Phe	His	Tyr	Leu	Val	Phe
				80					85					90
Asp	Leu	Val	Thr	Gly	Gly	Glu	Leu	Phe	Glu	Asp	Ile	Val	Ala	Arg
				95					100					105
Glu	Tyr	Tyr	Ser	Glu	Ala	Asp	Ala	Ser	His	Cys	Ile	Gln	Gln	Ile
				110					115					120
Leu	Glu	Ala	Val	Leu	His	Cys	His	Gln	Met	Gly	Val	Val	His	Arg
				125					130					135
Asp	Leu	Lys	Pro	Glu	Asn	Leu	Leu	Leu	Ala	Ser	Lys	Cys	Lys	Gly
				140					145					150
Ala	Ala	Val	Lys	Leu	Ala	Asp	Phe	Gly	Leu	Ala	Ile	Glu	Val	Gln

PF-0565 USN

	155		160		165
Gly Asp Gln Gln	Ala Trp Phe Gly Phe	Ala Gly Thr Pro Gly Tyr			
	170		175		180
Leu Ser Pro Glu	Val Leu Arg Lys Glu	Ala Tyr Gly Lys Pro Val			
	185		190		195
Asp Ile Trp Ala	Cys Gly Val Ile Leu	Tyr Ile Leu Leu Val Gly			
	200		205		210
Tyr Pro Pro Phe	Trp Asp Glu Asp Gln	His Lys Leu Tyr Gln Gln			
	215		220		225
Ile Lys Ala Gly	Ala Tyr Asp Phe Pro	Ser Pro Glu Trp Asp Thr			
	230		235		240
Val Thr Pro Glu	Ala Lys Asn Leu Ile	Asn Gln Met Leu Thr Ile			
	245		250		255
Asn Pro Ala Lys	Arg Ile Thr Ala His	Glu Ala Leu Lys His Pro			
	260		265		270
Trp Val Cys Gln	Arg Ser Thr Val Ala	Ser Met Met His Arg Gln			
	275		280		285
Glu Thr Val Glu	Cys Leu Lys Lys Phe	Asn Ala Arg Arg Lys Leu			
	290		295		300
Lys Gly Ala Ile	Leu Thr Thr Met Leu	Ala Thr Arg Asn Phe Ser			
	305		310		315
Ala Ala Lys Ser	Leu Leu Asn Lys Lys	Ala Asp Gly Val Lys Pro			
	320		325		330
His Thr Asn Ser	Thr Lys Asn Ser Ala	Ala Ala Thr Ser Pro Lys			
	335		340		345
Gly Thr Leu Pro	Pro Ala Ala Leu Glu	Ser Ser Asp Ser Ala Asn			
	350		355		360
Thr Thr Ile Glu	Asp Glu Asp Ala Lys	Ala Arg Lys Gln Glu Ile			
	365		370		375
Ile Lys Thr Thr	Glu Gln Leu Ile Glu	Ala Val Asn Asn Gly Asp			
	380		385		390
Phe Glu Ala Tyr	Ala Lys Ile Cys Asp	Pro Gly Leu Thr Ser Phe			
	395		400		405
Glu Pro Glu Ala	Leu Gly Asn Leu Val	Glu Gly Met Asp Phe His			
	410		415		420
Arg Phe Tyr Phe	Glu Asn Leu Leu Ala	Lys Asn Ser Lys Pro Ile			
	425		430		435
His Thr Thr Ile	Leu Asn Pro His Val	His Val Ile Gly Glu Asp			
	440		445		450
Ala Ala Cys Ile	Ala Tyr Ile Arg Leu	Thr Gln Tyr Ile Asp Gly			
	455		460		465
Gln Gly Arg Pro	Arg Thr Ser Gln Ser	Glu Glu Thr Arg Val Trp			
	470		475		480
His Arg Arg Asp	Gly Lys Trp Gln Asn	Val His Phe His Cys Ser			
	485		490		495
Gly Ala Pro Val	Ala Pro Leu Gln				
	500				

<210> 19

<211> 433

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1512656CD1

<400> 19

Met Thr Gly Glu Ala Gln Ala Gly Arg Lys Arg Ser Arg Ala Arg

1	5	10	15
Pro Glu Gly Thr	Glu Pro Val Arg Arg	Glu Arg Thr Gln Pro	Gly
	20	25	30
Leu Gly Pro Gly	Arg Ala Arg Ala Met	Ala Ala Glu Ala Thr	Ala
	35	40	45
Val Ala Gly Ser	Gly Ala Val Gly Gly	Cys Leu Ala Lys Asp	Gly
	50	55	60
Leu Gln Gln Ser	Lys Cys Pro Asp Thr	Thr Pro Lys Arg Arg	Arg
	65	70	75
Ala Ser Ser Leu	Ser Arg Asp Ala Glu	Arg Arg Ala Tyr Gln	Trp
	80	85	90
Cys Arg Glu Tyr	Leu Gly Gly Ala Trp	Arg Arg Val Gln Pro	Glu
	95	100	105
Glu Leu Arg Val	Tyr Pro Val Ser Gly	Gly Leu Ser Asn Leu	Leu
	110	115	120
Phe Arg Cys Ser	Leu Pro Asp His Leu	Pro Ser Val Gly Glu	Glu
	125	130	135
Pro Arg Glu Val	Leu Leu Arg Leu Tyr	Gly Ala Ile Leu Gln	Gly
	140	145	150
Val Asp Ser Leu	Val Leu Glu Ser Val	Met Phe Ala Ile Leu	Ala
	155	160	165
Glu Arg Ser Leu	Gly Pro Gln Leu Tyr	Gly Val Phe Pro Glu	Gly
	170	175	180
Arg Leu Glu Gln	Tyr Ile Pro Ser Arg	Pro Leu Lys Thr Gln	Glu
	185	190	195
Leu Arg Glu Pro	Val Leu Ser Ala Ala	Ile Ala Thr Lys Met	Ala
	200	205	210
Gln Phe His Gly	Met Glu Met Pro Phe	Thr Lys Glu Pro His	Trp
	215	220	225
Leu Phe Gly Thr	Met Glu Arg Tyr Leu	Lys Gln Ile Gln Asp	Leu
	230	235	240
Pro Pro Thr Gly	Leu Pro Glu Met Asn	Leu Leu Glu Met Tyr	Ser
	245	250	255
Leu Lys Asp Glu	Met Gly Asn Leu Arg	Lys Leu Leu Glu Ser	Thr
	260	265	270
Pro Ser Pro Val	Val Phe Cys His Asn	Asp Ile Gln Glu Gly	Asn
	275	280	285
Ile Leu Leu Leu	Ser Glu Pro Glu Asn	Ala Asp Ser Leu Met	Leu
	290	295	300
Val Asp Phe Glu	Tyr Ser Ser Tyr Asn	Tyr Arg Gly Phe Asp	Ile
	305	310	315
Gly Asn His Phe	Cys Glu Trp Val Tyr	Asp Tyr Thr His Glu	Glu
	320	325	330
Trp Pro Phe Tyr	Lys Ala Arg Pro Thr	Asp Tyr Pro Thr Gln	Glu
	335	340	345
Gln Gln Leu His	Phe Ile Arg His Tyr	Leu Ala Glu Ala Lys	Lys
	350	355	360
Gly Glu Thr Leu	Ser Gln Glu Glu Gln	Arg Lys Leu Glu Glu	Asp
	365	370	375
Leu Leu Val Glu	Val Ser Arg Tyr Ala	Leu Ala Ser His Phe	Phe
	380	385	390
Trp Gly Leu Trp	Ser Ile Leu Gln Ala	Ser Met Ser Thr Ile	Glu
	395	400	405
Phe Gly Tyr Leu	Asp Tyr Ala Gln Ser	Arg Phe Gln Phe Tyr	Phe
	410	415	420
Gln Gln Lys Gly	Gln Leu Thr Ser Val	His Ser Ser Ser	
	425	430	

&lt;210&gt; 20



PF-0565 USN

<211> 527

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2098635CD1

<400> 20

Met	Ser	Leu	Cys	Gly	Ala	Arg	Ala	Asn	Ala	Lys	Met	Met	Ala	Ala
1				5					10					15
Tyr	Asn	Gly	Gly	Thr	Ser	Ala	Ala	Ala	Ala	Gly	His	His	His	His
				20					25					30
His	His	His	His	Leu	Pro	His	Leu	Pro	Pro	Pro	His	Leu	Leu	His
				35					40					45
His	His	His	Pro	Gln	His	His	Leu	His	Pro	Gly	Ser	Ala	Ala	Ala
				50					55					60
Val	His	Pro	Val	Gln	Gln	His	Thr	Ser	Ser	Ala	Ala	Ala	Ala	Ala
				65					70					75
Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Met	Leu	Asn	Pro	Gly	Gln	Gln
				80					85					90
Gln	Pro	Tyr	Phe	Pro	Ser	Pro	Ala	Pro	Gly	Gln	Ala	Pro	Gly	Pro
				95					100					105
Ala	Ala	Ala	Ala	Pro	Ala	Gln	Val	Gln	Ala	Ala	Ala	Ala	Ala	Thr
				110					115					120
Val	Lys	Ala	His	His	His	Gln	His	Ser	His	His	Pro	Gln	Gln	Gln
				125					130					135
Leu	Asp	Ile	Glu	Pro	Asp	Arg	Pro	Ile	Gly	Tyr	Gly	Ala	Phe	Gly
				140					145					150
Val	Val	Trp	Ser	Val	Thr	Asp	Pro	Arg	Asp	Gly	Lys	Arg	Val	Ala
				155					160					165
Leu	Lys	Lys	Met	Pro	Asn	Val	Phe	Gln	Asn	Leu	Val	Ser	Cys	Lys
				170					175					180
Arg	Val	Phe	Arg	Glu	Leu	Lys	Met	Leu	Cys	Phe	Phe	Lys	His	Asp
				185					190					195
Asn	Val	Leu	Ser	Ala	Leu	Asp	Ile	Leu	Gln	Pro	Pro	His	Ile	Asp
				200					205					210
Tyr	Phe	Glu	Glu	Ile	Tyr	Val	Val	Thr	Glu	Leu	Met	Gln	Ser	Asp
				215					220					225
Leu	His	Lys	Ile	Ile	Val	Ser	Pro	Gln	Pro	Leu	Ser	Ser	Asp	His
				230					235					240
Val	Lys	Val	Phe	Leu	Tyr	Gln	Ile	Leu	Arg	Gly	Leu	Lys	Tyr	Leu
				245					250					255
His	Ser	Ala	Gly	Ile	Leu	His	Arg	Asp	Ile	Lys	Pro	Gly	Asn	Leu
				260					265					270
Leu	Val	Asn	Ser	Asn	Cys	Val	Leu	Lys	Ile	Cys	Asp	Phe	Gly	Leu
				275					280					285
Ala	Arg	Val	Glu	Glu	Leu	Asp	Glu	Ser	Arg	His	Met	Thr	Gln	Glu
				290					295					300
Val	Val	Thr	Gln	Tyr	Tyr	Arg	Ala	Pro	Glu	Ile	Leu	Met	Gly	Ser
				305					310					315
Arg	His	Tyr	Ser	Asn	Ala	Ile	Asp	Ile	Trp	Ser	Val	Gly	Cys	Ile
				320					325					330
Phe	Ala	Glu	Leu	Leu	Gly	Arg	Arg	Ile	Leu	Phe	Gln	Ala	Gln	Ser
				335					340					345
Pro	Ile	Gln	Gln	Leu	Asp	Leu	Ile	Thr	Asp	Leu	Leu	Gly	Thr	Pro
				350					355					360
Ser	Leu	Glu	Ala	Met	Arg	Thr	Ala	Cys	Glu	Gly	Ala	Lys	Ala	His
				365					370					375

PF-0565 USN

Ile	Leu	Arg	Gly	Pro	His	Lys	Gln	Pro	Ser	Leu	Pro	Val	Leu	Tyr	
				380					385					390	
Thr	Leu	Ser	Ser	Gln	Ala	Thr	His	Glu	Ala	Val	His	Leu	Leu	Cys	
				395					400					405	
Arg	Met	Leu	Val	Phe	Asp	Pro	Ser	Lys	Arg	Ile	Ser	Ala	Lys	Asp	
				410					415					420	
Ala	Leu	Ala	His	Pro	Tyr	Leu	Asp	Glu	Gly	Arg	Leu	Arg	Tyr	His	
				425					430					435	
Thr	Cys	Met	Cys	Lys	Cys	Cys	Phe	Ser	Thr	Ser	Thr	Gly	Arg	Val	
				440					445					450	
Tyr	Thr	Ser	Asp	Phe	Glu	Pro	Val	Thr	Asn	Pro	Lys	Phe	Asp	Asp	
				455					460					465	
Thr	Phe	Glu	Lys	Asn	Leu	Ser	Ser	Val	Arg	Gln	Val	Lys	Glu	Ile	
				470					475					480	
Ile	His	Gln	Phe	Ile	Leu	Glu	Gln	Gln	Lys	Gly	Asn	Arg	Val	Pro	
				485					490					495	
Leu	Cys	Ile	Asn	Pro	Gln	Ser	Ala	Ala	Phe	Lys	Ser	Phe	Ile	Ser	
				500					505					510	
Ser	Thr	Val	Ala	Gln	Pro	Ser	Glu	Met	Pro	Pro	Ser	Pro	Leu	Val	
				515					520					525	
Trp	Glu														

<210> 21  
 <211> 322  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2446646CD1

<400> 21															
Met	Glu	Gly	Ile	Ser	Asn	Phe	Lys	Thr	Pro	Ser	Lys	Leu	Ser	Glu	
1				5					10					15	
Lys	Lys	Lys	Ser	Val	Leu	Cys	Ser	Thr	Pro	Thr	Ile	Asn	Ile	Pro	
				20					25					30	
Ala	Ser	Pro	Phe	Met	Gln	Lys	Leu	Gly	Phe	Gly	Thr	Gly	Val	Asn	
				35					40					45	
Val	Tyr	Leu	Met	Lys	Arg	Ser	Pro	Arg	Gly	Leu	Ser	His	Ser	Pro	
				50					55					60	
Trp	Ala	Val	Lys	Lys	Ile	Asn	Pro	Ile	Cys	Asn	Asp	His	Tyr	Arg	
				65					70					75	
Ser	Val	Tyr	Gln	Lys	Arg	Leu	Met	Asp	Glu	Ala	Lys	Ile	Leu	Lys	
				80					85					90	
Ser	Leu	His	His	Pro	Asn	Ile	Val	Gly	Tyr	Arg	Ala	Phe	Thr	Glu	
				95					100					105	
Ala	Asn	Asp	Gly	Ser	Leu	Cys	Leu	Ala	Met	Glu	Tyr	Gly	Gly	Glu	
				110					115					120	
Lys	Ser	Leu	Asn	Asp	Leu	Ile	Glu	Glu	Arg	Tyr	Lys	Ala	Ser	Gln	
				125					130					135	
Asp	Pro	Phe	Pro	Ala	Ala	Ile	Ile	Leu	Lys	Val	Ala	Leu	Asn	Met	
				140					145					150	
Ala	Arg	Gly	Leu	Lys	Tyr	Leu	His	Gln	Glu	Lys	Lys	Leu	Leu	His	
				155					160					165	
Gly	Asp	Ile	Lys	Ser	Ser	Asn	Val	Val	Ile	Lys	Gly	Asp	Phe	Glu	
				170					175					180	
Thr	Ile	Lys	Ile	Cys	Asp	Val	Gly	Val	Ser	Leu	Pro	Leu	Asp	Glu	
				185					190					195	

PF-0565 USN

Asn	Met	Thr	Val	Thr	Asp	Pro	Glu	Ala	Cys	Tyr	Ile	Gly	Thr	Glu	
				200					205					210	
Pro	Trp	Lys	Pro	Lys	Glu	Ala	Val	Glu	Glu	Asn	Gly	Val	Ile	Thr	
				215					220					225	
Asp	Lys	Ala	Asp	Ile	Phe	Ala	Phe	Gly	Leu	Thr	Leu	Trp	Glu	Met	
				230					235					240	
Met	Thr	Leu	Ser	Ile	Pro	His	Ile	Asn	Leu	Ser	Asn	Asp	Asp	Asp	
				245					250					255	
Asp	Glu	Asp	Lys	Thr	Phe	Asp	Glu	Ser	Asp	Phe	Asp	Asp	Glu	Ala	
				260					265					270	
Tyr	Tyr	Ala	Ala	Leu	Gly	Thr	Arg	Pro	Pro	Ile	Asn	Met	Glu	Glu	
				275					280					285	
Leu	Asp	Glu	Ser	Tyr	Gln	Lys	Val	Ile	Glu	Leu	Phe	Ser	Val	Cys	
				290					295					300	
Thr	Asn	Glu	Asp	Pro	Lys	Asp	Arg	Pro	Ser	Ala	Ala	His	Ile	Val	
				305					310					315	
Glu	Ala	Leu	Glu	Thr	Asp	Val									
				320											

<210> 22  
 <211> 802  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2764911CD1

<400>	22														
Met	Glu	Glu	Glu	Gly	Gly	Ser	Ser	Gly	Gly	Ala	Ala	Gly	Thr	Ser	
1				5					10					15	
Ala	Asp	Gly	Gly	Asp	Gly	Gly	Glu	Gln	Leu	Leu	Thr	Val	Lys	His	
				20					25					30	
Glu	Leu	Arg	Thr	Ala	Asn	Leu	Thr	Gly	His	Ala	Glu	Lys	Val	Gly	
				35					40					45	
Ile	Glu	Asn	Phe	Glu	Leu	Leu	Lys	Val	Leu	Gly	Thr	Gly	Ala	Tyr	
				50					55					60	
Gly	Lys	Val	Phe	Leu	Val	Arg	Lys	Ile	Ser	Gly	His	Asp	Thr	Gly	
				65					70					75	
Lys	Leu	Tyr	Ala	Met	Lys	Val	Leu	Lys	Lys	Ala	Thr	Ile	Val	Gln	
				80					85					90	
Lys	Ala	Lys	Thr	Thr	Glu	His	Thr	Arg	Thr	Glu	Arg	Gln	Val	Leu	
				95					100					105	
Glu	His	Ile	Arg	Gln	Ser	Pro	Phe	Leu	Val	Thr	Leu	His	Tyr	Ala	
				110					115					120	
Phe	Gln	Thr	Glu	Thr	Lys	Leu	His	Leu	Ile	Leu	Asp	Tyr	Ile	Asn	
				125					130					135	
Gly	Gly	Glu	Leu	Phe	Thr	His	Leu	Ser	Gln	Arg	Glu	Arg	Phe	Thr	
				140					145					150	
Glu	His	Glu	Val	Gln	Ile	Tyr	Val	Gly	Glu	Ile	Val	Leu	Ala	Leu	
				155					160					165	
Glu	His	Leu	His	Lys	Leu	Gly	Ile	Ile	Tyr	Arg	Asp	Ile	Lys	Leu	
				170					175					180	
Glu	Asn	Ile	Leu	Leu	Asp	Ser	Asn	Gly	His	Val	Val	Leu	Thr	Asp	
				185					190					195	
Phe	Gly	Leu	Ser	Lys	Glu	Phe	Val	Ala	Asp	Glu	Thr	Glu	Arg	Ala	
				200					205					210	
Tyr	Ser	Phe	Cys	Gly	Thr	Ile	Glu	Tyr	Met	Ala	Pro	Asp	Ile	Val	
				215					220					225	

Arg	Gly	Gly	Asp	Ser	Gly	His	Asp	Lys	Ala	Val	Asp	Trp	Trp	Ser
				230					235					240
Leu	Gly	Val	Leu	Met	Tyr	Glu	Leu	Leu	Thr	Gly	Ala	Ser	Pro	Phe
				245					250					255
Thr	Val	Asp	Gly	Glu	Lys	Asn	Ser	Gln	Ala	Glu	Ile	Ser	Arg	Arg
				260					265					270
Ile	Leu	Lys	Ser	Glu	Pro	Pro	Tyr	Pro	Gln	Glu	Met	Ser	Ala	Leu
				275					280					285
Ala	Lys	Asp	Leu	Ile	Gln	Arg	Leu	Leu	Met	Lys	Asp	Pro	Lys	Lys
				290					295					300
Arg	Leu	Gly	Cys	Gly	Pro	Arg	Asp	Ala	Asp	Glu	Ile	Lys	Glu	His
				305					310					315
Leu	Phe	Phe	Gln	Lys	Ile	Asn	Trp	Asp	Asp	Leu	Ala	Ala	Lys	Lys
				320					325					330
Val	Pro	Ala	Pro	Phe	Lys	Pro	Val	Ile	Arg	Asp	Glu	Leu	Asp	Val
				335					340					345
Ser	Asn	Phe	Ala	Glu	Glu	Phe	Thr	Glu	Met	Asp	Pro	Thr	Tyr	Ser
				350					355					360
Pro	Ala	Ala	Leu	Pro	Gln	Ser	Ser	Glu	Lys	Leu	Phe	Gln	Gly	Tyr
				365					370					375
Ser	Phe	Val	Ala	Pro	Ser	Ile	Leu	Phe	Lys	Arg	Asn	Ala	Ala	Val
				380					385					390
Ile	Asp	Pro	Leu	Gln	Phe	His	Met	Gly	Val	Glu	Arg	Pro	Gly	Val
				395					400					405
Thr	Asn	Val	Ala	Arg	Ser	Ala	Met	Met	Lys	Asp	Ser	Pro	Phe	Tyr
				410					415					420
Gln	His	Tyr	Asp	Leu	Asp	Leu	Lys	Asp	Lys	Pro	Leu	Gly	Glu	Gly
				425					430					435
Ser	Phe	Ser	Ile	Cys	Arg	Lys	Cys	Val	His	Lys	Lys	Ser	Asn	Gln
				440					445					450
Ala	Phe	Ala	Val	Lys	Ile	Ile	Ser	Lys	Arg	Met	Glu	Ala	Asn	Thr
				455					460					465
Gln	Lys	Glu	Ile	Thr	Ala	Leu	Glu	Leu	Cys	Glu	Gly	His	Pro	Asn
				470					475					480
Ile	Val	Lys	Leu	His	Glu	Val	Phe	His	Asp	Gln	Leu	His	Thr	Phe
				485					490					495
Leu	Val	Met	Glu	Leu	Leu	Asn	Gly	Gly	Glu	Leu	Phe	Glu	Arg	Ile
				500					505					510
Lys	Lys	Lys	Lys	His	Phe	Ser	Glu	Thr	Glu	Ala	Ser	Tyr	Ile	Met
				515					520					525
Arg	Lys	Leu	Val	Ser	Ala	Val	Ser	His	Met	His	Asp	Val	Gly	Val
				530					535					540
Val	His	Arg	Asp	Leu	Lys	Pro	Glu	Asn	Leu	Leu	Phe	Thr	Asp	Glu
				545					550					555
Asn	Asp	Asn	Leu	Glu	Ile	Lys	Ile	Ile	Asp	Phe	Gly	Phe	Ala	Arg
				560					565					570
Leu	Lys	Pro	Pro	Asp	Asn	Gln	Pro	Leu	Lys	Thr	Pro	Cys	Phe	Thr
				575					580					585
Leu	His	Tyr	Ala	Ala	Pro	Glu	Leu	Leu	Asn	Gln	Asn	Gly	Tyr	Asp
				590					595					600
Glu	Ser	Cys	Asp	Leu	Trp	Ser	Leu	Gly	Val	Ile	Leu	Tyr	Thr	Met
				605					610					615
Leu	Ser	Gly	Gln	Val	Pro	Phe	Gln	Ser	His	Asp	Arg	Ser	Leu	Thr
				620					625					630
Cys	Thr	Ser	Ala	Val	Glu	Ile	Met	Lys	Lys	Ile	Lys	Lys	Gly	Asp
				635					640					645
Phe	Ser	Phe	Glu	Gly	Glu	Ala	Trp	Lys	Asn	Val	Ser	Gln	Glu	Ala
				650					655					660
Lys	Asp	Leu	Ile	Gln	Gly	Leu	Leu	Thr	Val	Asp	Pro	Asn	Lys	Arg

Leu	Lys	Met	Ser	665	Leu	Arg	Tyr	Asn	670	Glu	Trp	Leu	Gln	Asp	Gly	675
				680					685							690
Ser	Gln	Leu	Ser	695	Ser	Asn	Pro	Leu	Met	Thr	Pro	Asp	Ile	Leu	Gly	705
				710												720
Ser	Ser	Gly	Ala	715	Ala	Val	His	Thr	Cys	Val	Lys	Ala	Thr	Phe	His	725
				725												735
Ala	Phe	Asn	Lys	730	Tyr	Lys	Arg	Glu	Gly	Phe	Cys	Leu	Gln	Asn	Val	740
				740												750
Asp	Lys	Ala	Pro	745	Leu	Ala	Lys	Arg	Arg	Lys	Met	Lys	Lys	Thr	Ser	755
				755												765
Thr	Ser	Thr	Glu	760	Thr	Arg	Ser	Ser	Ser	Ser	Glu	Ser	Ser	His	Ser	770
				770												780
Ser	Ser	Ser	His	775	Ser	His	Gly	Lys	Thr	Thr	Pro	Thr	Lys	Thr	Leu	785
				785												795
Gln	Pro	Ser	Asn	790	Pro	Ala	Asp	Ser	Asn	Asn	Pro	Glu	Thr	Leu	Phe	
Gln	Phe	Ser	Asp	800	Ser	Val	Ala									

&lt;210&gt; 23

&lt;211&gt; 641

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3013946CD1

&lt;400&gt; 23

Met	Ala	Thr	Thr	Val	Thr	Cys	Thr	Arg	Phe	Thr	Asp	Glu	Tyr	Gln		
1				5					10					15		
Leu	Tyr	Glu	Asp	Ile	Gly	Lys	Gly	Ala	Phe	Ser	Val	Val	Arg	Arg		
				20					25					30		
Cys	Val	Lys	Leu	Cys	Thr	Gly	His	Glu	Tyr	Ala	Ala	Lys	Ile	Ile		
				35					40					45		
Asn	Thr	Lys	Lys	Leu	Ser	Ala	Arg	Asp	His	Gln	Lys	Leu	Glu	Arg		
				50					55					60		
Glu	Ala	Arg	Ile	Cys	Arg	Leu	Leu	Lys	His	Ser	Asn	Ile	Val	Arg		
				65					70					75		
Leu	His	Asp	Ser	Ile	Ser	Glu	Glu	Gly	Phe	His	Tyr	Leu	Val	Phe		
				80					85					90		
Asp	Leu	Val	Thr	Gly	Gly	Glu	Leu	Phe	Glu	Asp	Ile	Val	Ala	Arg		
				95					100					105		
Glu	Tyr	Tyr	Ser	Glu	Ala	Asp	Ala	Ser	His	Cys	Ile	Gln	Gln	Ile		
				110					115					120		
Leu	Glu	Ala	Val	Leu	His	Cys	His	Gln	Met	Gly	Val	Val	His	Arg		
				125					130					135		
Asp	Leu	Lys	Pro	Glu	Asn	Leu	Leu	Leu	Ala	Ser	Lys	Cys	Lys	Gly		
				140					145					150		
Ala	Ala	Val	Lys	Leu	Ala	Asp	Phe	Gly	Leu	Ala	Ile	Glu	Val	Gln		
				155					160					165		
Gly	Asp	Gln	Gln	Ala	Trp	Phe	Gly	Phe	Ala	Gly	Thr	Pro	Gly	Tyr		
				170					175					180		
Leu	Ser	Pro	Glu	Val	Leu	Arg	Lys	Glu	Ala	Tyr	Gly	Lys	Pro	Val		
				185					190					195		
Asp	Ile	Trp	Ala	Cys	Gly	Val	Ile	Leu	Tyr	Ile	Leu	Leu	Val	Gly		
				200					205					210		
Tyr	Pro	Pro	Phe	Trp	Asp	Glu	Asp	Gln	His	Lys	Leu	Tyr	Gln	Gln		

Ile Lys Ala Gly	215	Tyr Asp Phe Pro	220	Pro Glu Trp Asp	225
Val Thr Pro Glu	230	Asn Gln Met Leu Thr	235	Ile	240
Asn Pro Ala Lys	245	Glu Ala Leu Lys His	250	Pro	255
Trp Val Cys Gln	260	Ser Thr Val Ala	265	Met Met His Arg	270
Glu Thr Val Glu	275	Asn Ala Arg Arg	280	Lys Leu	285
Lys Gly Ala Ile	290	Ala Thr Arg Asn Phe	295	Ser	300
Ala Lys Ser Leu	305	Leu Thr Thr Met Leu	310	Gly Val Lys Pro	315
Thr Asn Ser Thr	320	Asn Lys Lys Ala	325	Gln	330
Thr Leu Pro Pro	335	Ala Thr Ser Pro	340	Lys Gly	345
Asn Pro Val Asp	350	Gln Thr Thr Val	355	Ile His	360
Thr Ile Glu Asp	365	Ser Ser Asp Ser	370	Ala Asn Thr	375
Leu Ser Ser Val	380	Pro Arg Val Pro	385	Asp Ile	390
Pro Leu Pro Cys	395	Ala Pro Glu Ala	400	Glu Gly	405
Pro Ser Pro Arg	410	Phe Gly Pro Leu	415	Pro Ala	420
Ser Gly Thr Pro	425	Asn Ser Val Arg	430	Arg Gly	435
Pro Cys Leu Ser	440	Leu Ser Ala Gly	445	Pro Pro	450
Pro Arg Ile Ser	455	Pro Leu Ser Ser	460	Pro Ser	465
Thr Pro Glu Ala	470	Val Arg Arg Gly	475	Ser Gly	480
Pro Ser Pro Thr	485	Val Gly Pro Pro	490	Pro Cys	495
Gln Glu Ile Ile	500	Thr Pro Ser Arg	505	Lys	510
Asn Gly Asp Phe	515	Ile Glu Ala Val	520	Asn	525
Thr Ser Phe Glu	530	Ile Cys Asp Pro	535	Gly Leu	540
Asp Phe His Arg	545	Asn Leu Val Glu	550	Gly Met	555
Lys Pro Ile His	560	Leu Ala Lys Asn	565	Ser	570
Gly Glu Asp Ala	575	Pro His Val His	580	Val Ile	585
Ile Asp Gly Gln	590	Ile Arg Leu Thr	595	Gln Tyr	600
Arg Val Trp His	605	Ser Gln Ser Glu	610	Glu Thr	615
His Cys Ser Gly	620	Trp Gln Asn Val	625	His Phe	630
	635	Leu Gln	640		

PF-0565 USN

<211> 588

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 067967CD1

<400> 24

Met	Gly	Gly	Thr	Ala	Arg	Gly	Pro	Gly	Arg	Lys	Asp	Ala	Gly	Pro
1				5					10					15
Pro	Gly	Ala	Gly	Leu	Pro	Pro	Gln	Gln	Arg	Arg	Leu	Gly	Asp	Gly
				20					25					30
Val	Tyr	Asp	Thr	Phe	Met	Met	Ile	Asp	Glu	Thr	Lys	Cys	Pro	Pro
				35					40					45
Cys	Ser	Asn	Val	Leu	Cys	Asn	Pro	Ser	Glu	Pro	Pro	Ser	Pro	Arg
				50					55					60
Arg	Leu	Asn	Met	Thr	Thr	Glu	Gln	Phe	Thr	Gly	Asp	His	Thr	Gln
				65					70					75
His	Phe	Leu	Asp	Gly	Gly	Glu	Met	Lys	Val	Glu	Gln	Leu	Phe	Gln
				80					85					90
Glu	Phe	Gly	Asn	Arg	Lys	Ser	Asn	Thr	Ile	Gln	Ser	Asp	Gly	Ile
				95					100					105
Ser	Asp	Ser	Glu	Lys	Cys	Ser	Pro	Thr	Val	Ser	Gln	Gly	Lys	Ser
				110					115					120
Ser	Asp	Cys	Leu	Asn	Thr	Val	Lys	Ser	Asn	Ser	Ser	Ser	Lys	Ala
				125					130					135
Pro	Lys	Val	Val	Pro	Leu	Thr	Pro	Glu	Gln	Ala	Leu	Lys	Gln	Tyr
				140					145					150
Lys	His	His	Leu	Thr	Ala	Tyr	Glu	Lys	Leu	Glu	Ile	Ile	Asn	Tyr
				155					160					165
Pro	Glu	Ile	Tyr	Phe	Val	Gly	Pro	Asn	Ala	Lys	Lys	Arg	His	Gly
				170					175					180
Val	Ile	Gly	Gly	Pro	Asn	Asn	Gly	Gly	Tyr	Asp	Asp	Ala	Asp	Gly
				185					190					195
Ala	Tyr	Ile	His	Val	Pro	Arg	Asp	His	Leu	Ala	Tyr	Arg	Tyr	Glu
				200					205					210
Val	Leu	Lys	Ile	Ile	Gly	Lys	Gly	Ser	Phe	Gly	Gln	Val	Ala	Arg
				215					220					225
Val	Tyr	Asp	His	Lys	Leu	Arg	Gln	Tyr	Val	Ala	Leu	Lys	Met	Val
				230					235					240
Arg	Asn	Glu	Lys	Arg	Phe	His	Arg	Gln	Ala	Ala	Glu	Glu	Ile	Arg
				245					250					255
Ile	Leu	Glu	His	Leu	Lys	Lys	Gln	Asp	Lys	Thr	Gly	Ser	Met	Asn
				260					265					270
Val	Ile	His	Met	Leu	Glu	Ser	Phe	Thr	Phe	Arg	Asn	His	Val	Cys
				275					280					285
Met	Ala	Phe	Glu	Leu	Leu	Ser	Ile	Asp	Leu	Tyr	Glu	Leu	Ile	Lys
				290					295					300
Lys	Asn	Lys	Phe	Gln	Gly	Phe	Ser	Val	Gln	Leu	Val	Arg	Lys	Phe
				305					310					315
Ala	Gln	Ser	Ile	Leu	Gln	Ser	Leu	Asp	Ala	Leu	His	Lys	Asn	Lys
				320					325					330
Ile	Ile	His	Cys	Asp	Leu	Lys	Pro	Glu	Asn	Ile	Leu	Leu	Lys	His
				335					340					345
His	Gly	Arg	Ser	Ser	Thr	Lys	Val	Ile	Asp	Phe	Gly	Ser	Ser	Cys
				350					355					360
Phe	Glu	Tyr	Gln	Lys	Leu	Tyr	Thr	Tyr	Ile	Gln	Ser	Arg	Phe	Tyr
				365					370					375

PF-0565 USN

Arg	Ala	Pro	Glu	Ile	Ile	Leu	Gly	Ser	Arg	Tyr	Ser	Thr	Pro	Ile	380	385	390
Asp	Ile	Trp	Ser	Phe	Gly	Cys	Ile	Leu	Ala	Glu	Leu	Leu	Thr	Gly	395	400	405
Gln	Pro	Leu	Phe	Pro	Gly	Glu	Asp	Glu	Gly	Asp	Gln	Leu	Ala	Cys	410	415	420
Met	Met	Glu	Leu	Leu	Gly	Met	Pro	Pro	Pro	Lys	Leu	Leu	Glu	Gln	425	430	435
Ser	Lys	Arg	Ala	Lys	Tyr	Phe	Ile	Asn	Ser	Lys	Gly	Ile	Pro	Arg	440	445	450
Tyr	Cys	Ser	Val	Thr	Thr	Gln	Ala	Asp	Gly	Arg	Val	Val	Leu	Val	455	460	465
Gly	Gly	Arg	Ser	Arg	Arg	Gly	Lys	Lys	Arg	Gly	Pro	Pro	Gly	Ser	470	475	480
Lys	Asp	Trp	Gly	Thr	Ala	Leu	Lys	Gly	Cys	Asp	Asp	Tyr	Leu	Phe	485	490	495
Ile	Glu	Phe	Leu	Lys	Arg	Cys	Leu	His	Trp	Asp	Pro	Ser	Ala	Arg	500	505	510
Leu	Thr	Pro	Ala	Gln	Ala	Leu	Arg	His	Pro	Trp	Ile	Ser	Lys	Ser	515	520	525
Val	Pro	Arg	Pro	Leu	Thr	Thr	Ile	Asp	Lys	Val	Ser	Gly	Lys	Arg	530	535	540
Val	Val	Asn	Pro	Ala	Ser	Ala	Phe	Gln	Gly	Leu	Gly	Ser	Lys	Leu	545	550	555
Pro	Pro	Val	Val	Gly	Ile	Ala	Asn	Lys	Leu	Lys	Ala	Asn	Leu	Met	560	565	570
Ser	Glu	Thr	Asn	Gly	Ser	Ile	Pro	Leu	Cys	Ser	Val	Leu	Pro	Lys	575	580	585
Leu	Ile	Ser															

<210> 25

<211> 389

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 346275CD1

<400> 25

Met	Ser	Asp	Val	Cys	Ser	Ser	Gln	Arg	Ala	Glu	His	Glu	His	Leu	1	5	10	15
Pro	Gly	Leu	Val	Pro	Pro	Pro	Ser	Gly	Met	Gly	Val	Arg	Lys	Gly	20	25	30	35
Ser	Ser	Pro	Leu	Lys	Ser	His	Pro	Cys	Arg	Glu	Lys	Ser	Val	Ser	40	45	50	55
Asn	Arg	Arg	Ser	Gly	Lys	Thr	Ile	Val	Arg	Ser	Ala	Val	Glu	Glu	60	65	70	75
Val	Arg	Thr	Ala	Gly	Leu	Phe	Arg	Ser	Gly	Phe	Ser	Glu	Glu	Lys	80	85	90	95
Ala	Thr	Gly	Lys	Leu	Phe	Ala	Val	Lys	Cys	Ile	Pro	Lys	Lys	Ala	100	105	110	115
Leu	Lys	Gly	Lys	Glu	Ser	Ser	Ile	Glu	Asn	Glu	Ile	Ala	Val	Leu	120	125	130	135
Arg	Lys	Ile	Lys	His	Glu	Asn	Ile	Val	Ala	Leu	Glu	Asp	Ile	Tyr				
Glu	Ser	Pro	Asn	His	Leu	Tyr	Leu	Val	Met	Gln	Leu	Val	Ser	Gly				



PF-0565 USN

Gly	Glu	Leu	Phe	Asp	Arg	Ile	Val	Glu	Lys	Gly	Phe	Tyr	Thr	Glu
				140					145					150
Lys	Asp	Ala	Ser	Thr	Leu	Ile	Arg	Gln	Val	Leu	Asp	Ala	Val	Tyr
				155					160					165
Tyr	Leu	His	Arg	Met	Gly	Ile	Val	His	Arg	Asp	Leu	Lys	Pro	Glu
				170					175					180
Asn	Leu	Leu	Tyr	Tyr	Ser	Gln	Asp	Glu	Glu	Ser	Lys	Ile	Met	Ile
				185					190					195
Ser	Asp	Phe	Gly	Leu	Ser	Lys	Met	Glu	Gly	Lys	Gly	Asp	Val	Met
				200					205					210
Ser	Thr	Ala	Cys	Gly	Thr	Pro	Gly	Tyr	Val	Ala	Pro	Glu	Val	Leu
				215					220					225
Ala	Gln	Lys	Pro	Tyr	Ser	Lys	Ala	Val	Asp	Cys	Trp	Ser	Ile	Gly
				230					235					240
Val	Ile	Ala	Tyr	Ile	Leu	Leu	Cys	Gly	Tyr	Pro	Pro	Phe	Tyr	Asp
				245					250					255
Glu	Asn	Asp	Ser	Lys	Leu	Phe	Glu	Gln	Ile	Leu	Lys	Ala	Glu	Tyr
				260					265					270
Glu	Phe	Asp	Ser	Pro	Tyr	Trp	Asp	Asp	Ile	Ser	Asp	Ser	Ala	Lys
				275					280					285
Asp	Phe	Ile	Arg	Asn	Leu	Met	Glu	Lys	Asp	Pro	Asn	Lys	Arg	Tyr
				290					295					300
Thr	Cys	Glu	Gln	Ala	Ala	Arg	His	Pro	Trp	Ile	Ala	Gly	Asp	Thr
				305					310					315
Ala	Leu	Asn	Lys	Asn	Ile	His	Glu	Ser	Val	Ser	Ala	Gln	Ile	Arg
				320					325					330
Lys	Asn	Phe	Ala	Lys	Ser	Lys	Trp	Arg	Gln	Ala	Phe	Asn	Ala	Thr
				335					340					345
Ala	Val	Val	Arg	His	Met	Arg	Lys	Leu	His	Leu	Gly	Ser	Ser	Leu
				350					355					360
Asp	Ser	Ser	Asn	Ala	Ser	Val	Ser	Ser	Ser	Leu	Ser	Leu	Ala	Ser
				365					370					375
Gln	Lys	Asp	Cys	Ala	Tyr	Val	Ala	Lys	Pro	Glu	Ser	Leu	Ser	
				380					385					

<210> 26

<211> 343

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 283746CD1

<400> 26

Met	Ile	Gly	Glu	Glu	Ala	Met	Ile	Asn	Tyr	Glu	Asn	Phe	Leu	Lys
1				5					10					15
Val	Gly	Glu	Lys	Ala	Gly	Ala	Lys	Cys	Lys	Gln	Phe	Phe	Thr	Ala
				20					25					30
Lys	Val	Phe	Ala	Lys	Leu	Leu	His	Thr	Asp	Ser	Tyr	Gly	Arg	Ile
				35					40					45
Ser	Ile	Met	Gln	Phe	Phe	Asn	Tyr	Val	Met	Arg	Lys	Val	Trp	Leu
				50					55					60
His	Gln	Thr	Arg	Ile	Gly	Leu	Ser	Leu	Tyr	Asp	Val	Ala	Gly	Gln
				65					70					75
Gly	Tyr	Leu	Arg	Glu	Ser	Asp	Leu	Glu	Asn	Tyr	Ile	Leu	Glu	Leu
				80					85					90
Ile	Pro	Thr	Leu	Pro	Gln	Leu	Asp	Gly	Leu	Glu	Lys	Ser	Phe	Tyr
				95					100					105

PF-0565 USN

Ser	Phe	Tyr	Val	Cys	Thr	Ala	Val	Arg	Lys	Phe	Phe	Phe	Phe	Leu
				110					115					120
Asp	Pro	Leu	Arg	Thr	Gly	Lys	Ile	Lys	Ile	Gln	Asp	Ile	Leu	Ala
				125					130					135
Cys	Ser	Phe	Leu	Asp	Asp	Leu	Leu	Glu	Leu	Arg	Asp	Glu	Glu	Leu
				140					145					150
Ser	Lys	Glu	Ser	Gln	Glu	Thr	Asn	Trp	Phe	Ser	Ala	Pro	Ser	Ala
				155					160					165
Leu	Arg	Val	Tyr	Gly	Gln	Tyr	Leu	Asn	Leu	Asp	Lys	Asp	His	Asn
				170					175					180
Gly	Met	Leu	Ser	Lys	Glu	Glu	Leu	Ser	Arg	Tyr	Gly	Thr	Ala	Thr
				185					190					195
Met	Thr	Asn	Val	Phe	Leu	Asp	Arg	Val	Phe	Gln	Glu	Cys	Leu	Thr
				200					205					210
Tyr	Asp	Gly	Glu	Met	Asp	Tyr	Lys	Thr	Tyr	Leu	Asp	Phe	Val	Leu
				215					220					225
Ala	Leu	Glu	Asn	Arg	Lys	Glu	Pro	Ala	Ala	Leu	Gln	Tyr	Ile	Phe
				230					235					240
Lys	Leu	Leu	Asp	Ile	Glu	Asn	Lys	Gly	Tyr	Leu	Asn	Val	Phe	Ser
				245					250					255
Leu	Asn	Tyr	Phe	Phe	Arg	Ala	Ile	Gln	Glu	Leu	Met	Lys	Ile	His
				260					265					270
Gly	Gln	Asp	Pro	Val	Ser	Phe	Gln	Asp	Val	Lys	Asp	Glu	Ile	Phe
				275					280					285
Asp	Met	Val	Lys	Pro	Lys	Asp	Pro	Leu	Lys	Ile	Ser	Leu	Gln	Asp
				290					295					300
Leu	Ile	Asn	Ser	Asn	Gln	Gly	Asp	Thr	Val	Thr	Thr	Ile	Leu	Ile
				305					310					315
Asp	Leu	Asn	Gly	Phe	Trp	Thr	Tyr	Glu	Asn	Arg	Glu	Ala	Leu	Val
				320					325					330
Ala	Asn	Asp	Ser	Glu	Asn	Ser	Ala	Asp	Leu	Asp	Asp	Thr		
				335					340					

<210> 27

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2696537CD1

<400> 27

Met	Gly	Asn	Gly	Met	Asn	Lys	Ile	Leu	Pro	Gly	Leu	Tyr	Ile	Gly
1				5					10					15
Asn	Phe	Lys	Asp	Ala	Arg	Asp	Ala	Glu	Gln	Leu	Ser	Lys	Asn	Lys
				20					25					30
Val	Thr	His	Ile	Leu	Ser	Val	His	Asp	Ser	Ala	Arg	Pro	Met	Leu
				35					40					45
Glu	Gly	Val	Lys	Tyr	Leu	Cys	Ile	Pro	Ala	Ala	Asp	Ser	Pro	Ser
				50					55					60
Gln	Asn	Leu	Thr	Arg	His	Phe	Lys	Glu	Ser	Ile	Lys	Phe	Ile	His
				65					70					75
Glu	Cys	Arg	Leu	Arg	Gly	Glu	Ser	Cys	Leu	Val	His	Cys	Leu	Ala
				80					85					90
Gly	Val	Ser	Arg	Ser	Val	Thr	Leu	Val	Ile	Ala	Tyr	Ile	Met	Thr
				95					100					105
Val	Thr	Asp	Phe	Gly	Trp	Glu	Asp	Ala	Leu	His	Thr	Val	Arg	Ala
				110					115					120

PF-0565 USN

Gly	Arg	Ser	Cys	Ala	Asn	Pro	Asn	Val	Gly	Phe	Gln	Arg	Gln	Leu
				125					130					135
Gln	Glu	Phe	Glu	Lys	His	Glu	Val	His	Gln	Tyr	Arg	Gln	Trp	Leu
				140					145					150
Lys	Glu	Glu	Tyr	Gly	Glu	Ser	Pro	Leu	Gln	Asp	Ala	Glu	Glu	Ala
				155					160					165
Lys	Asn	Ile	Leu	Ala	Ala	Pro	Gly	Ile	Leu	Lys	Phe	Trp	Ala	Phe
				170					175					180
Leu	Arg	Arg	Leu											

<210> 28  
<211> 118  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 619292CD1

<400>	28													
Met	Gly	Leu	Ile	Asp	Gly	Met	His	Thr	His	Leu	Gly	Ala	Pro	Gly
1				5					10					15
Leu	Tyr	Ile	Gln	Thr	Leu	Leu	Pro	Gly	Ser	Pro	Ala	Ala	Ala	Asp
				20					25					30
Gly	Arg	Leu	Ser	Leu	Gly	Asp	Arg	Ile	Leu	Glu	Val	Asn	Gly	Ser
				35					40					45
Ser	Leu	Leu	Gly	Leu	Gly	Tyr	Leu	Arg	Ala	Val	Asp	Leu	Ile	Arg
				50					55					60
His	Gly	Gly	Lys	Lys	Met	Arg	Phe	Leu	Val	Ala	Lys	Ser	Asp	Val
				65					70					75
Gly	Lys	Gln	Pro	Arg	Arg	Ser	Ile	Ser	Ala	Arg	Pro	Leu	Ser	Arg
				80					85					90
Gly	Ala	Ala	Arg	Thr	Pro	Pro	Gln	Ala	Arg	His	Pro	Val	Pro	Pro
				95					100					105
Gly	Asp	Thr	Gly	Leu	Pro	Pro	Ala	Phe	Val	Pro	Val	Leu		
				110					115					

<210> 29  
<211> 356  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2054049CD1

<400>	29													
Met	Val	Gly	Val	Ser	Gly	Lys	Arg	Ser	Lys	Glu	Asp	Glu	Lys	Tyr
1				5					10					15
Leu	Gln	Ala	Ile	Met	Asp	Ser	Asn	Ala	Gln	Ser	His	Lys	Ile	Phe
				20					25					30
Ile	Phe	Asp	Ala	Arg	Pro	Ser	Val	Asn	Ala	Val	Ala	Asn	Lys	Ala
				35					40					45
Lys	Gly	Gly	Gly	Tyr	Glu	Ser	Glu	Asp	Ala	Tyr	Gln	Asn	Ala	Glu
				50					55					60
Leu	Val	Phe	Leu	Asp	Ile	His	Asn	Ile	His	Val	Met	Arg	Glu	Ser
				65					70					75
Leu	Arg	Lys	Leu	Lys	Glu	Ile	Val	Tyr	Pro	Asn	Ile	Glu	Glu	Thr

PF-0565 USN

				80					85					90
His	Trp	Leu	Ser	Asn	Leu	Glu	Ser	Thr	His	Trp	Leu	Glu	His	Ile
				95					100					105
Lys	Leu	Ile	Leu	Ala	Gly	Ala	Leu	Arg	Ile	Ala	Asp	Lys	Val	Glu
				110					115					120
Ser	Gly	Lys	Thr	Ser	Val	Val	Val	His	Cys	Ser	Asp	Gly	Trp	Asp
				125					130					135
Arg	Thr	Ala	Gln	Leu	Thr	Ser	Leu	Ala	Met	Leu	Met	Leu	Asp	Gly
				140					145					150
Tyr	Tyr	Arg	Thr	Ile	Arg	Gly	Phe	Glu	Val	Leu	Val	Glu	Lys	Glu
				155					160					165
Trp	Leu	Ser	Phe	Gly	His	Arg	Phe	Gln	Leu	Arg	Val	Gly	His	Gly
				170					175					180
Asp	Lys	Asn	His	Ala	Asp	Ala	Asp	Arg	Ser	Pro	Val	Phe	Leu	Gln
				185					190					195
Phe	Ile	Asp	Cys	Val	Trp	Gln	Met	Thr	Arg	Gln	Phe	Pro	Thr	Ala
				200					205					210
Phe	Glu	Phe	Asn	Glu	Tyr	Phe	Leu	Ile	Thr	Ile	Leu	Asp	His	Leu
				215					220					225
Tyr	Ser	Cys	Leu	Phe	Gly	Thr	Phe	Leu	Cys	Asn	Ser	Glu	Gln	Gln
				230					235					240
Arg	Gly	Lys	Glu	Asn	Leu	Pro	Lys	Arg	Thr	Val	Ser	Leu	Trp	Ser
				245					250					255
Tyr	Ile	Asn	Ser	Gln	Leu	Glu	Asp	Phe	Thr	Asn	Pro	Leu	Tyr	Gly
				260					265					270
Ser	Tyr	Ser	Asn	His	Val	Leu	Tyr	Pro	Val	Ala	Ser	Met	Arg	His
				275					280					285
Leu	Glu	Leu	Trp	Val	Gly	Tyr	Tyr	Ile	Arg	Trp	Asn	Pro	Arg	Met
				290					295					300
Lys	Pro	Gln	Glu	Pro	Ile	His	Asn	Arg	Tyr	Lys	Glu	Leu	Leu	Ala
				305					310					315
Lys	Arg	Ala	Glu	Leu	Gln	Lys	Lys	Val	Glu	Glu	Leu	Gln	Arg	Glu
				320					325					330
Ile	Ser	Asn	Arg	Ser	Thr	Ser	Ser	Ser	Glu	Arg	Ala	Ser	Ser	Pro
				335					340					345
Ala	Gln	Cys	Val	Thr	Pro	Val	Gln	Thr	Val	Val				
				350					355					

<210> 30

<211> 453

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2843910CD1

<400> 30

Met	Ala	Gly	Ala	Gly	Gly	Phe	Gly	Cys	Pro	Ala	Gly	Gly	Asn	Asp
1				5					10					15
Phe	Gln	Trp	Cys	Phe	Ser	Gln	Val	Lys	Gly	Ala	Ile	Asp	Glu	Asp
				20					25					30
Val	Ala	Glu	Ala	Asp	Ile	Ile	Ser	Thr	Val	Glu	Phe	Asn	Tyr	Ser
				35					40					45
Gly	Asp	Leu	Leu	Ala	Thr	Gly	Asp	Lys	Gly	Gly	Arg	Val	Val	Ile
				50					55					60
Phe	Gln	Arg	Glu	Gln	Glu	Asn	Lys	Ser	Arg	Pro	His	Ser	Arg	Gly
				65					70					75
Glu	Tyr	Asn	Val	Tyr	Ser	Thr	Phe	Gln	Ser	His	Glu	Pro	Glu	Phe

PF-0565 USN

				80					85					90
Asp	Tyr	Leu	Lys	Ser	Leu	Glu	Ile	Glu	Glu	Lys	Ile	Asn	Lys	Ile
				95					100					105
Arg	Trp	Leu	Pro	Gln	Gln	Asn	Ala	Ala	His	Phe	Leu	Leu	Ser	Thr
				110					115					120
Asn	Asp	Lys	Thr	Ile	Lys	Leu	Trp	Lys	Ile	Ser	Glu	Arg	Asp	Lys
				125					130					135
Arg	Ala	Glu	Gly	Tyr	Asn	Leu	Lys	Asp	Glu	Asp	Gly	Arg	Leu	Arg
				140					145					150
Asp	Pro	Phe	Arg	Ile	Thr	Ala	Leu	Arg	Val	Pro	Ile	Leu	Lys	Pro
				155					160					165
Met	Asp	Leu	Met	Val	Glu	Ala	Ser	Pro	Arg	Arg	Ile	Phe	Ala	Asn
				170					175					180
Ala	His	Thr	Tyr	His	Ile	Asn	Ser	Ile	Ser	Val	Asn	Ser	Asp	His
				185					190					195
Glu	Thr	Tyr	Leu	Ser	Ala	Asp	Asp	Leu	Arg	Ile	Asn	Leu	Trp	His
				200					205					210
Leu	Glu	Ile	Thr	Asp	Arg	Ser	Phe	Asn	Ile	Val	Asp	Ile	Lys	Pro
				215					220					225
Ala	Asn	Met	Glu	Glu	Leu	Thr	Glu	Val	Ile	Thr	Ala	Ala	Glu	Phe
				230					235					240
His	Pro	His	Gln	Cys	Asn	Val	Phe	Val	Tyr	Ser	Ser	Ser	Lys	Gly
				245					250					255
Thr	Ile	Arg	Leu	Cys	Asp	Met	Arg	Ser	Ser	Ala	Leu	Cys	Asp	Arg
				260					265					270
His	Ser	Lys	Phe	Phe	Glu	Glu	Pro	Glu	Asp	Pro	Ser	Ser	Arg	Ser
				275					280					285
Phe	Phe	Ser	Glu	Ile	Ile	Ser	Ser	Ile	Ser	Asp	Val	Lys	Phe	Ser
				290					295					300
His	Ser	Gly	Arg	Tyr	Met	Met	Thr	Arg	Asp	Tyr	Leu	Ser	Val	Lys
				305					310					315
Val	Trp	Asp	Leu	Asn	Met	Glu	Ser	Arg	Pro	Val	Glu	Thr	His	Gln
				320					325					330
Val	His	Glu	Tyr	Leu	Arg	Ser	Lys	Leu	Cys	Ser	Leu	Tyr	Glu	Asn
				335					340					345
Asp	Cys	Ile	Phe	Asp	Lys	Phe	Glu	Cys	Cys	Trp	Asn	Gly	Ser	Asp
				350					355					360
Ser	Ala	Ile	Met	Thr	Gly	Ser	Tyr	Asn	Asn	Phe	Phe	Arg	Met	Phe
				365					370					375
Asp	Arg	Asp	Thr	Arg	Arg	Asp	Val	Thr	Leu	Glu	Ala	Ser	Arg	Glu
				380					385					390
Ser	Ser	Lys	Pro	Arg	Ala	Ser	Leu	Lys	Pro	Arg	Lys	Val	Cys	Thr
				395					400					405
Gly	Gly	Lys	Arg	Arg	Lys	Asp	Glu	Ile	Ser	Val	Asp	Ser	Leu	Asp
				410					415					420
Phe	Asn	Lys	Lys	Ile	Leu	His	Thr	Ala	Trp	His	Pro	Val	Asp	Asn
				425					430					435
Val	Ile	Ala	Val	Ala	Ala	Thr	Asn	Asn	Leu	Tyr	Ile	Phe	Gln	Asp
				440					445					450
Lys	Ile	Asn												

<210> 31  
 <211> 1221  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> Incyte ID No: 132240CB1

<400> 31

```
cttttcctgg aatttctata atggaaagtc cattagaaag tcagccotta gattcagata 60
gaagcatcaa agaatcctct tttgaagaat caaatattga agatccactt attgtaacac 120
cagattgcca agaaaagacc tcaccaaag gtgtcgagaa ccctgctgta caagagagta 180
acaaaaaat gttaggteet cctttggagg tgctgaaaac gttagcctct aaaagaaatg 240
ctgttgcttt tcgaagtttt aacagtcata ttaatgcatc caataactca gaaccatcca 300
gaatgaacat gacttcttta gatgcaatgg atatttcgtg tgcctacagt gggtcatatc 360
ccatggctat aaccctact caaaaaagaa gatcctgtat gccacatcag accccaaatc 420
agatcaagtc gggaaactcca taccgaactc cgaagagtgt gagaagaggg gtggcccccg 480
ttgatgatgg gcgaattcta ggaaccccag actaccttgc acctgagctg ttactaggca 540
gggcccctgg tcctgcggtg gactgggtgg cacttgaggt ttgcttggtt gaatttctaa 600
caggaattcc ccctttcaat gatgaaacac cacaacaagt attccagaat attctgaaaa 660
gagatatccc ttggccagaa ggtgaagaaa agttatctga taatgctcaa agtgcagtag 720
aaatactttt aaccattgat gatacaaaga gagctggaat gaaagagcta aaacgctcatc 780
ctctcttcag tgatgtggac tgggaaaatc tgcagcatca gactatgctt ttcaccccc 840
agccagatga tgaaacagat acctcctatt ttgaagccag gaatactgct cagcacctga 900
ctgtatctgg atttagtctg tagcacaataa attttccttt tagtctagcc ttgtgttata 960
gaatgaactt gcataattat atactcctta atactagatt gatctaaggg ggaaagatca 1020
ttatttaacc tagttcaatg tgcttttaat gtacgttaca gctttcacag agttaaaagg 1080
ctgaaaggaa tatagtcagt aatttatctt aacctcaaaa ctgtatataa atcttcaaag 1140
cttttttcat ttatttattt tgtttattgc actttatgaa aactgaagca tcaataaaat 1200
tagaggacac taaaaaaaaa a 1221
```

<210> 32

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2180116CB1

<400> 32

```
tggccaggct ggggtccagca gcgcgatggc agctcagcgg ctgggcaagc gcgtgctgag 60
caagctgcag tctccatcgc gggcccgccg gccagggggc agtcccgggg ggatgcagaa 120
gcggcacgcg cgcgtcacccg tcaagtatga ccggcgggag ctgcagcggc ggctggacgt 180
ggagaagtgg atcgacgggc goctggagga gctgtaccgc ggcatggagg cagacatgcc 240
cgatgagatc aacattgatg aattgttgga gttagagagt gaagaggaga gaagccgga 300
aatccaggga ctctgaagt catgtgggaa acctgtcgag gacttcatcc aggagctgct 360
ggcaaagctt caaggcctcc acaggcagcc cggcctccgc cagccaagcc cctcccacga 420
cggcagcctc agccccctcc aggaccgggc ccggactgct caccctgac cctcttgac 480
tctccctgcc ccccggaagc cgcccagctt gcttgtgtat aagttgtatt taatggattc 540
tt 542
```

<210> 33

<211> 2778

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2197671CB1

<220>

<221> unsure

<222> (1) ... (2778)

<223> a, t, c, g, or other

&lt;400&gt; 33

```

cgcggtatcgt cgcgggcccg cgcgtcccgtc ccaggaagtg gccgtcctga gcgccatggc 60
tcaactccccg gtgcagtcgg gcctgcccgg catgcagaac ctaaaggcag acccagaaga 120
gcttttttaca aaactagaga aaattgggaa gggctccttt ggagaggtgt tcaaaggcat 180
tgacaatcgg actcagaaag tggttgccat aaagatcatt gatctggaag aagctgaaga 240
tgagatagag gacattcaac aagaaatcac agtgctgagt cagtgtgaca gtccatatgt 300
aaccaaatat tatggatcct atctgaagga taaaaatta tggataataa tggaaatatct 360
tgggtggaggc tccgcactag atctattaga acctggccga ttagatgaaa cccagatcgc 420
tactatatta agagaaatac tgaaaggact cgattatctc cattcggaga agaaaatcca 480
cagagacatt aaagcgcca acgtcctgct gtctgagcat ggcgaggtga agctggcgga 540
ctttggcgtg gctggccagc tgacagacac ccagatcaaa aggaacacct tcgtgggcac 600
cccatctctgg atggcaccgg aggtcatcaa acagtcggcc tatgactcga aggcagacat 660
ctgggtccctg ggcataacag ctattgaact tgcaagaggg gaaccacctc attccgagct 720
gcaccccatg aaagttttat tctcatttcc aaagaacaac ccaccgacgt tggaaaggaa 780
ctacagtaaa cccctcaagg agtttggtga ggcctgtttg aataaggagc cgagctttag 840
accactgct aaggagtatt tgaagcaca gtttatacta cgcaatgcaa agaaaacttc 900
ctacttgacc gagctcatcg acaggtacaa gagatggaag gccgagcaga gccatgacga 960
ctcgagctcc gaggattccg acgcggaaac agatggccaa gcctcggggg gcagtgattc 1020
tggggactgg atcttcacaa tccgagaaaa agatcccaag aatctcgaga atggagctct 1080
tcagccatcg gacttgga gaaataagat gaaagacatc ccaaagagggc ctttctctca 1140
gtgtttatct acaattatct ctcctctgtt tgcagagtgt aaggagaaga gccaggcgtg 1200
cggagggaac ttgggtcca ttgaagagct gcgaggggcc atctacctag cggaggaggc 1260
gtgccctggc atctccgaca ccatggtggc ccagctcgtg cagcggctcc agagatactc 1320
tctaagtggg ggaggaactt catcccactg aaattccttt ggcatttggg gttttgtttt 1380
tctttttttc cttcttcac ctcctccttt tttaaaagtc aacgagagcc ttcgctgact 1440
ccaccgaaga ggtgcgccac tgggagccac ccagtgcca gccgcccgtc cagggaacaca 1500
cacagtcttc actgtgtgc agccagatga agtctctcag atgggtgggg agggtcagct 1560
ccttccagcg atcattttat tttattttat tacttttgtt tttaatttta accatagtgc 1620
acatattcca ggaaagtgtc tttaaaaaca aaaacaaacc ctgaaatgta tatttgggat 1680
tatgataagg caactaaaga catgaaacct caggtatcct gctttaagtt gataactccc 1740
tctgggagct ggagaatcgc tctggtggat ggggtgtacag atttgtatat aatgtcattt 1800
ttacggaaac ctttccggcg tgcataagga atcactgtgt acaaactggc caagtgttc 1860
tgtagataac gtcagtggag taaatattcg acaggccata acttgagtct attgccttgc 1920
ctttattaca tgtacatttt gaattctgtg accagtgatt tgggttttat tttgtatttg 1980
cagggtttgt cattaataat taatgccct ctcttacaga aactcctat ttgtacctca 2040
acaaatgcaa attttccccg tttgccctac gcccttttg gtacacctag aggttgattt 2100
cctttttcat cgatggtact attcttagt gttttaaatt ggaacatata ttgcctcatg 2160
aagcttttaa ttataatttt cagtttctcc ccatgaagcg ctctcgtctg acatttgttt 2220
ggaatcgtgc cactgctggg ctgcgccaga tgtaccgtcc tttccaatac gattttctgt 2280
tgcacctgt agtgattct gcataatc tttccacct aaaaatgtct gaatgcttac 2340
acaaataaat tttataacac gcttattttg catactcctt gaaatgtgac tcttcagagg 2400
acagggtacc tgctgtgtat gtgtggcgt gcgtgtgtac tcgtggctgt gtgtgtgtga 2460
tgagacactt tggaagactc cagggagaag ttcccagggc tggagctgcc gagtgccag 2520
gtcagcgccc tgggctgctt gcgcaatngc tcaccngat gatgcattgg aggttgctga 2580
cctgtgcgat tgctgtagcg gttgccaggg accttaaggg gttattttgc ttccctggga 2640
ggggnccat gtttctagc aagcagccat gtgtctaatt ttctgggttt gctgtggga 2700
cctgattggg ggaggggaa anctttgggg ttcttgaggt gggagggttc gtgccancaa 2760
tntnccctgg taaaaaag

```

&lt;210&gt; 34

&lt;211&gt; 1424

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2594943CB1

&lt;400&gt; 34

```

ggctcagcct ccgaccagg tgggtctggag cctgccggga gagtgggtggc atctgagagg 60
ctggtcgtgg actgtggttg ggggaggttg gagctgtttt aaccgtgtgc cccctctcct 120
gtgccggcgt gggcatcccc cggggcagtg gaacgcgggc gtcctccag ctcccgagtc 180
cagccagcct gggcgcgggg cgccgcccc gagacaccg aggagtcctg tctccctgg 240
ttacgtggac tgtggagctg gtctcttctg gctcagcgcc gtgcggaggt tgaagcgtac 300
ctgcggaggt cgcaccagg cgtgaggagg aggaggaagg gcatgagccg agcttgagga 360
atccgtgctc caaactctac actcaagggg ggcccttggg tagggtgaag atccctgtc 420
tttatcctag ttccacacct tgggtgtggg tactgggtgc aggatgaact gtcgctcgga 480
ggtgctggag gtgtcggttg aggggcggca ggtggaggag gccatgctgg ctgtgctgca 540
cacggtgctt ctgcaccgca gcacaggcaa gttccactac aagaaggagg gcacctactc 600
cattggcacc gtgggcaccc aggatgttga ctgtgacttc atcgacttca cttatgtgcg 660
tgtctcttct gaggaactgg atcgtgccct gcgcaagggt gttggggagt tcaaggatgc 720
actgcgcaac tctggtggcg atgggctggg gcagatgtcc ttggagtctt accagaagaa 780
gaagtctcgc tggccattct cagacgagtg catcccatgg gaagtgtgga cggtaagggt 840
gcatgtggta gccctggcca cggagcagga gcgagagatc tgccgggaga aggtgggtga 900
gaaactctgc gagaagatca tcaacatcgt gagggtgatg aatcgccatg agtacttgcc 960
caagatgccc acacagtcgg aggtggataa cgtgtttgac acaggcttgc gggacgtgca 1020
gccctacctg tacaagatct cctccagat cactgatgcc ctgggcacct cagtcaccac 1080
caccatgcgc aggtcatca aagacacct tgccctctga gcgtcgtgg atctctggga 1140
gtccttggat ggctcccaga ccttggtctt tgggaattgc acttttgggc ctttgggctc 1200
tggaaactgc tctgggtcat tggtagact tgaaggggc agcccccgct ggcttcttgg 1260
ttttgtgggt cccagctca ggtcatcct ttaactcttg ctgatggttc agtctgcct 1320
ctactgtctc tccatagccc tgggtggggt cccctctctt ctccactgta cagaagagcc 1380
accactggga tggggaataa agttgagaac atgaaaaaaa aaaa 1424

```

&lt;210&gt; 35

&lt;211&gt; 1839

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1513871CB1

&lt;400&gt; 35

```

cctcctctc ggcagctca ggttgcagct tctctgggga actgctcacc tttccggagc 60
aggggaagct gccccgtgcc cgggagggag cgggcgcacc gcggccccca ggacacgcgc 120
tgacccggct gccagtgccc tcatgatcat gaacaagatg aagaacttta agcgccgttt 180
ctccctgtca gtgccccgca ctgagaccat tgaagaatcc ttggctgaat tcacggagca 240
attcaaccag ctcacaacc ggcggaatga gaacttgacg ctcggtctct ttggcagaga 300
ccccccgcag gagtgcagca ccttctcccc aacagacagc ggggaggagc cggggcagct 360
ctccccgtgc gtgcagttcc agcggcggca gaaccagcgc cgcttctcca tggaggacgt 420
cagcaagagg ctctctctgc ccatggatat ccgctgccc caggaattcc tacagaagct 480
acagatggag agcccagatc tgcccaagcc gctcagccgc atgtcccgcc gggcctccct 540
gtcagacatt ggctttggga aactggaaac atacgtgaaa ctggacaaac tgggagaggg 600
cacctatgcc acagtcttca aaggcgagc caaactgacg gagaaccttg tggccctgaa 660
agagatccgg ctggagcagc agggaggagc gccctgcact gccatccgag aggtgtctct 720
gctgaagaac ctgaagcagc ccaatatgtg gacctgcat gacctcatcc acacagatcg 780
gtccctcacc ctggtgtttg agtacctgga cagtgcctg aagcagtatc tggaccactg 840
tgggaacctc atgagcatgc acaacgtcaa gattttcatg ttccagctgc tccggggcct 900
cgcctactgt caccaccgca agatcctgca ccgggacctg aagccccaga acctgctcat 960
caacgagagg ggggagctga agctggccga ctttgactg gccagggcca agtcagtgcc 1020
caciaagact tactccaatg aggtgggtgac cctgtgttac agggcccccg atgtgctgct 1080
gggatccaca gactactcca cccccattga tatgtggggc gtgggctgca tccactacga 1140
gatggccaca gggaggcccc tcttcccggg ctccacagtc aaggaggagc tgcacctcat 1200
ctttcgctc ctccgggacc ccacagaaga gacgtggccc ggcgtgaccg ccttctctga 1260
gttccgcacc tacagcttcc cctgctacct ccgcagccg ctcatcaacc acgcgcccag 1320
gttgatagc gatggcatcc acctcctgag cagcctgctc ctgtatgaat ccaagagtgc 1380
catgtcagca gaggtgcccc tgagtcactc ctacttcggg tctctgggag agcgtgtgca 1440

```



PF-0565 USN

```
ccagcttgaa gacactgcct ccatcttctc cctgaaggag atccagctcc agaaggaccc 1500
aggctaccga ggcttggcct tccagcagcc aggacgagg aagaacaggc ggcagagcat 1560
cttctgagcc acgcccacct tgctgtggcc aagggacaag agatcacatg gagcacaat 1620
tcgggtagga tggagcctgt gtggccctcg gaggactgaa gaacgagggc tgacagcagc 1680
ctggaagacc gcttggcagg cttttggcca agtggttttc tttgtggttt cgatctgctg 1740
ccagtagttt cagtggatac aacgtgcttt aggagtggg tgggaaagtc ttgctagagg 1800
gtttaggggg aggtttctac cgttgactcg gtttagggc 1839
```

<210> 36

<211> 2024

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 156108CB1

<400> 36

```
gtcagctctg gttcggagaa gcagcggctg gcgtgggcca tccggggaat gggcgccctc 60
gtgacctagt gttgcggggc aaaaagggtc ttgcgggect cgctcgtgca ggggcgtatc 120
tgggcgcctg agcgcggcgt gggagccttg ggagccgccg cagcaggggg cacacccgga 180
accggcctga gcgcccggga ccatgaacgg ggaggccatc tgcagcgccc tgcccaccat 240
tccctaccac aaactcgccg acctgcgcta cctgagccgc ggcgcctctg gcaactgtgtc 300
gtccgcccgc cacgcagact ggcgcgtcca ggtggccgtg aagcacctgc acatccacac 360
tccgctgctc gacagtgaaa gaaaggatgt cttaaagaaa gctgaaattt tacacaaagc 420
tagatttagt tacattcttc caattttggg aatttgcaat gagcctgaat ttttgggaat 480
agttactgaa tacatgccaa atggatcatt aatgaactc ctacatagga aaactgaata 540
tcctgatgtt gcttggccat tgagatttcg catcctgcat gaaattgccc ttggtgtaaa 600
ttacctgcac aatatgactc ctcccttact tcatcatgac ttgaagactc agaatatctt 660
attggacaat gaatttcctg ttaagattgc agattttggg ttatcaaagt ggcgcctgat 720
gtccctctca cagtcacgaa gtagcaaatc tgcaccagaa ggagggacaa ttatctatat 780
gccacctgaa aactatgaac ctggacaaaa atcaagggcc agtatcaagc acgatataata 840
tagctatgca gttatcacat ggggaagtgt atccagaaaa cagccttttg aagatgtcac 900
caatcctttg cagataatgt atagtgtgtc acaaggacat cgacctgtta ttaatgaaga 960
aagtttgcca tatgatatac ctaccgagc acgtatgac tctctaatag aaagtggatg 1020
ggcacaaaaa ccagatgaaa gaccatcttt cttaaaatgt ttaatagaac ttgaaccagt 1080
tttgagaaca tttgaagaga taacttttct tgaagctgtt attcagctaa agaaaaacaaa 1140
gttacagagt gtttcaagtg ccattcacct atgtgacaag aagaaaatgg aattatctct 1200
gaacatacct gtaaatcatg gtccacaaga ggaatcatgt ggatcctctc agctccatga 1260
aaatagtggt tctcctgaaa cttcaaggtc cctgccagct cctcaagaca atgatttttt 1320
atctagaaaa gctcaagact gttattttat gaagctgcat cactgtcctg gaaatcacag 1380
ttgggatagc accatttctg gatctcaaag ggctgcattc tgtgatcaca agaccactcc 1440
atgctcttca gcaataataa atccactctc aactgcagga aactcagaac gtctgcagcc 1500
tggtatagcc cagcagtggg tccagagcaa aagggaagac attgtgaacc aaatgacaga 1560
agcctgcctt aaccagtcgc tagatgccct tctgtccagg gacttgatca tgaaagagga 1620
ctatgaactt gttagtacca agcctacaag gacctcaaaa gtcagacaat tactagacac 1680
tactgacatc caaggagaag aatttgccaa agttatagta caaaaattga aagataacaa 1740
acaaatgggt cttcagcctt acccggaat acttggtggt tctagatcac catctttaa 1800
tttacttcaa aataaaagca tgtaagtgc tgtttttcaa gaagaaatgt gtttcataaa 1860
aggatattta tatctctgtt gctttgactt tttttatata aaatccgtga gtattaaagc 1920
tttattgaag gttctttggg taaatattag tctccctcca tgacactgca gtattttttt 1980
taattaatac aagtaaaaaa tttgaatttt gctacataaa aaaa 2024
```

<210> 37

<211> 1861

<212> DNA

<213> Homo sapiens

<220>

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2883243CB1

&lt;400&gt; 37

```

gcttcttagt gaggttggca ttatgttaag gctggtatgg aagacaactg atgaagcagg 60
agtggctctgg tgacatTTTT ctgacttgat tggctggggc gtgtgatgta ataggtttca 120
gtgcagcccc ttatagggtt taaaatgaat tccaagacac cattacaaag aaagccggac 180
tcttttctta taactgagct cagccaagga aactcttgca caaatgtaca atactgtttg 240
gaatatggaa gacctggatt tagaatatgc caagacagat ataaattgtg gcacagactt 300
gatgttttat atagaaatgg acccaccagc actgcctcct aaaccacca aacctactac 360
tgtagccaac aacggtatga ataacaatat gtccttacaa gatgctgaat ggtactgggg 420
agatatctcg agggaagaag tgaatgaaaa acttcgagat acagcagacg ggaccttttt 480
ggtacgagat gcgtctacta aaatgcatgg tgattatact cttacactaa ggaaaggggg 540
aaataacaaa ttaatcaaaa tatttcatcg agatgggaaa tatggcttct ctgaccatt 600
aaccttcagt tctgtggttg aattaataaa ccactaccgg aatgaatctc tagctcagta 660
taatcccaaa ttggatgtga aattacttta tccagtatcc aaataccaac aggatcaagt 720
tgtcaaagaa gataatattg aagctgtagg gaaaaatta catgaatata acactcagtt 780
tcaagaaaaa agtcgagaat atgatagatt atatgaagaa tatacccgca catcccagga 840
aatccaaatg aaaaggacag ctattgaagc atttaatgaa accataaaaa tatttgaaga 900
acagtgccag acccaagagc ggtacagcaa agaatacata gaaaagttta aacgtgaagg 960
caatgagaaa gaaatacaaa ggattatgca taattatgat aagttgaagt ctogaatcag 1020
tgaaattatt gacagtagaa gaagattgga agaagacttg aagaagcagg cagctgagta 1080
tcgagaaatt gacaaacgta tgaacagcat taaaccagac cttatccagc tgagaaagac 1140
gagagaccaa tacttgatgt ggttgactca aaaagggtgt cggcaaaaga agttgaacga 1200
gtggttgggc aatgaaaaca ctgaagacca atattcactg gtggaagatg atgaagattt 1260
gccccatcat gatgagaaga catggaatgt tggaagcagc aaccgaaaca aagctgaaaa 1320
cctgttgcca ggggaagcag atggcacttt tctgtgccg gagagcagta aacagggtg 1380
ctatgcctgc tctgtagtgg tggacggcga agtaaaagcat tgtgtcataa acaaaacagc 1440
aactggctat ggctttgccc agccctataa cttgtacagc tctctgaaag aactggtgct 1500
acattaccaa cacacctccc ttgtgcagca caacgactcc ctcaatgtca cactagccta 1560
cccagtatat gcacagcaga ggcgatgaag cgcttactct ttgatccttc tctgaaagt 1620
cagccacctt gaggcctctg gaaagcaaaag ggctcctctc cagtctgatc tgtgaattga 1680
gctgcagaaa cgaagccaac tttttttgga tgggactagt gctttctttc acaaaaaaga 1740
agtaggggaa gacatgcagc ctaaggctgt atgatgacca cagtttcta agctggagt 1800
cttatccctt ctttttcttt ttttcttttg tttaatttaa agccacaacc acatacaaca 1860
c

```

&lt;210&gt; 38

&lt;211&gt; 2045

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3173355CB1

&lt;400&gt; 38

```

cttggctgga acctgagacg gattogetcc caaatgatgc tccagtggca ggagcaactc 60
aagttcatca ttgtcctgag agagaggagc agcgcggttc tcggccggga cagcagaacg 120
ccaggggacc ctcacctggg cgcgcggggg cagggctttt gattgtcctg gggtcgcgga 180
gaccgcgcgc cctgccttgc acgcggggcg gcaacctttg cagtcgcgtt ggctgctgcg 240
atcggcgcgc ggaatccctgc cgaaggtctg gctgcttctg tccacctctt acacttcttc 300
atttatcggg ggatcatttc gagagtcctg cttgtaaatg tttggcactt tgctacttta 360
ttgcttcttt ctggcgacag ttccagcact cgccgagacc ggcggagaaa ggcagctgag 420
cccgagagaag agcgaaatat ggggacccgg gctaaaagca gacgtcgtcc tcccgcgccg 480
ctatttctat attcaggcag tggatacatc agggataaaa ttcacatctt ctccaggcga 540
aaaggtcttc caggtgaaag tctcagcacc agaggagcaa ttcactagag ttggagtcca 600
gggttttagc cgaaaagatg ggtccttcat agtaagatac agaattgtat caagctacaa 660
aaatctgaag gtggaaatta aattccaagg gcaacatgtg gccaaatccc catatatatt 720

```

```

aaaaggggccg gtttaccatg agaactgtga ctgtcctctg caagatagtg cagcctggct 780
acgggagatg aactgccctg aaaccattgc tcagattcag agagatctgg cacatttccc 840
tgctgtggat ccagaaaaga ttgcagtaga aatcccaaaa agatttggac agaggcagag 900
cctatgtcac tacaccttaa aggataacaa ggtttatatc aagactcatg gtgaacatgt 960
aggttttaga attttcatgg atgccatact actttctttg actagaaagg tgaagatgcc 1020
agatgtggag ctctttgtta atttgggaga ctggcctttg gaaaaaaaga aatccaattc 1080
aaacatccat ccgatctttt cctgggtgtg ctccacagat tccaaggata tcgtgatgcc 1140
tacgtacgat ttgactgatt ctgttctgga aaccatgggc cgggtaagtc tggatatgat 1200
gtccgtgcaa gctaacacgg gtccctccctg ggaaagcaaa aattccactg ccgtctggag 1260
agggcgagac agccgcaaag agagactcga gctggttaaa ctcagtagaa aacacccaga 1320
actcatagac gctgctttca ccaacttttt cttcttttaa cacgatgaaa acctgtatgg 1380
tcccattgtg aaacatatatt cattttttga tttcttcaag cataagtatc aaataaatat 1440
cgatggcact gtagcagctt atcgccctgcc atatttgcta gttggtgaca gtgttgtgct 1500
gaagcaggat tccatctact atgaacattt ttacaatgag ctgcagccct ggaaacacta 1560
cattccagtt aagagcaacc tgagcgatct gctagaaaaa cttaaatggg cgaaagatca 1620
cgatgaagag gccaaaaaga tagcaaaagc aggacaagaa tttgcaagaa ataactctcat 1680
gggcgatgac atattctgtt attatttcaa acttttccag gaatatgcca atttacaagt 1740
gagtgaagccc caaatccgag agggcatgaa aagggtagaa ccacagactg aggacgacct 1800
cttcccttgt acttgccata ggaaaaagac caaagatgaa ctctgatatg caaaaataact 1860
tctattagaa taatggtgct ctgaagactc ttcttaacta aaaagaagaa tttttttaag 1920
tattaattcc atggacaata taaaatctgt gtgattgttt gcagtatgaa gacacatttc 1980
tacttatgca gtattctcat gactgtactt taaagtacat ttttagaatt ttataataaa 2040
accac 2045

```

```

<210> 39
<211> 1260
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 5116906CB1

```

```

<400> 39
cgataattttt ctttcttagt ttcccatttc atattgtttt gtcaaataca ctgtgactca 60
ttaacatctc ttttccctag gttttgctgg cacacctgga tatctttctc cagaagtttt 120
acgtaaagat ccttatggaa agccagtgga tatgtgggca tgtggtgtca ttctctatat 180
tctacttgtg gggatatccac ccttctggga tgaagaccaa cacagactct atcagcagat 240
caaggctgga gcttatgatt ttccatcacc agaatgggac acggtgactc ctgaagccaa 300
agacctcatc aataaaatgc ttactatcaa ccctgccaaa cgcatacacag cctcagaggc 360
actgaagcac ccatggatct gtcaacgttc tactgttgct tccatgatgc acagacagga 420
gactgtagac tgcttgaaga aatttaatgc tagaagaaaa ctaaaggggtg ccatcttgac 480
aactatgctg gctacaagga atttctcagc agccaagagt ttgttgaaga aaccagatgg 540
agtaaaggag tcaactgaga gttcaaatac aacaattgag gatgaagatg tgaagcacg 600
aaagcaagag attatcaaag tcaactgaac actgatcgaa gctatcaaca atggggactt 660
tgaagcctac acaaaaatct gtgacccagg ccttactgct tttgaacctg aagctttggg 720
taatttagtg gaagggatgg attttccacc attctacttt gaaaatgctt tgtccaaaag 780
caataaacca atccacacta ttattctaaa ccctcatgta catctggtag gggatgatgc 840
cgccctgcata gcatatatta ggctcacaca gtacatggat ggcagtggaa tgccaaagac 900
aatgcagtca gaagagactc gtgtgtggca ccgcccggat ggaaagtggc agaattgttc 960
ttttcatcgc tcgggggtcac caacagtacc catcaactaa atttcaacag tgccacttct 1020
gcattctctg ttctcaaggc acctggatgg tgaccctggg ccgtcctctc ctctcttca 1080
tgcatgtttc tgagtgcatt aagttgtgaa ggtcctacat gtaatgcata tgtgatgcat 1140
catcttatca tatattcctt cctatacatt gtttacactt caactacggg gatgttccac 1200
acaaacttaa attactgttg gcaaaacaat agggggagat tagacaaaaa aaaaaaaaaa 1260

```

```

<210> 40
<211> 2059
<212> DNA

```

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 940589CB1

&lt;400&gt; 40

```

aaaccataga aacgctaatag aaagcagaca tcaaaatctg gatccttaca ggggacaagc 60
aagaaactgc cattaacatc ggacactcct gcaaaactgtt gaagaagaac atgggaatga 120
ttgttataaa tgaaggctct cttgattctt tctctaatac acagaattct aggaaggagg 180
ctgttctttt agccaaaatg aaacacccta atattgttgc cttcaaagaa tcatttgaag 240
ctgaaggaca cttgtatatt gtgatggaat actgtgatgg aggggatcta atgcaaaaga 300
ttaaacagca gaaaggaaag ttatttcctg aagacatgat acttaattgg tttacccaaa 360
tgtgccttgg agtaaatac attcacaaga aacgtgtgct acacagagat atcaagtcca 420
agaatatctt cctcactcag aatggaaaag tgaaattggg agactttgga tctgcccgtc 480
ttctctccaa tccgatggca tttgcttgta cctatgtggg aactccttat tatgtgcctc 540
cagaaatttg ggaaaacctg cttataaca ataaaagtga catctgggtcc ttgggttgca 600
tcctgtatga actctgtacc ctttagcatc catttcaggc aaatagttgg aaaaatttta 660
tcctcaaaag atgtcaaggg tgcacatgac cactgccgtc tcattactcc tatgaacttc 720
agttcctagt caagcagatg tttaaaagga atccctcaca tcgccccctg gctacaacgc 780
ttctctctcg aggcactgta gctcggtctg tccagaagtg ctaccccccc gagatcatca 840
tggaatatgg tgaggaagta ttagaagaaa taaaaaattc gaagcataac acaccaagaa 900
aaaaaacaaa ccccagcaga atcaggatag ctttgggaaa tgaagcaagc acagtgcag 960
aggaagaaca agatagaaag ggtagccata ctgatttgga aagcattaat gaaaatttag 1020
ttgaaagtgc attgagaaga gtaaacagag aagaaaaagg taataagtca gtccatctga 1080
ggaaagccag ttcaccaaat cttcatagac gacagtggga gaaaaatgta cccaatacag 1140
ctcttacagc tttggaaaat gcacccatac tcacctccag tttaacagca gaggacgata 1200
gaggtgggtt tgtaataaag tacagcaaaa atactactcg taagcagtgg ctcaaagaga 1260
ccccggacac tttgttgaa atccttaaga atgctgatct cagcttggct tttcaaacat 1320
acacaatata tagaccaggt tcagaagggt tcttgaaagg cccctgtct gaagaaacag 1380
aagcatcgga cagtgttgat ggaggtcacg attctgtcat tttggatcca gagcgacttg 1440
agcctgggct agatgaggag gacacggact ttgaggagga agatgacaac cccgactggg 1500
tgtcagagct gaagaagcga gctggatggc aaggcctgtg cgacagataa tgccctgagga 1560
aatgttcctg agtcacgctg aggagagcct tcaactcagg gttcatgctg agatgatcat 1620
gagttcatgc gacgtatatt ttcctttgga aacagaatga agcagaggaa actcttaata 1680
cttaaaatcg ttcttgatta gtatcgtgag tttgaaaagt ctagaactcc tgtaagtttt 1740
tgaactcaag ggagaaggta tagtggaatg agtgtgagca tcgggctttg cagtcccata 1800
gaacagaaat gggatgctag cgtgccacta cctacttgtg tgattgtggg aaattactta 1860
acctcttcaa gcccatttt cctcaacctt aaaaatgaaga taataatgcc tacctcagag 1920
ggatgctgac cacagacatt tatagcagcc cgtatgatat tattcacatt atgatatgtg 1980
tttattatta tgtgactctt tttacatttc ctaaagggtt gagaattaaa tatatttaat 2040
tatgaaaaaa aaaaaaaaaa 2059

```

&lt;210&gt; 41

&lt;211&gt; 1023

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 304421CB1

&lt;400&gt; 41

```

gaggcagagg ggtgggcgagg ctggcccatg gctgagacct ctctcccaga gctgggggga 60
gaggacaaag ccacgccttg ccccagcatc ctggagctgg aggagctcct gcgggcaggg 120
aagtcttctt gcagccgtgt ggacgaagtt tggcccaacc ttttcatagg agatgcgatg 180
gactcactgc agaagcagga cctccggagg cccaagatcc atggggcagt ccaggcatct 240
ccctaccagc cgcccacatt ggcttcgctg cagcgcttgc tgtgggtccg tcaggctgcc 300
acactgaacc atatcgatga ggtctggccc agcctcttcc tgggagatgc gtaccgagcc 360

```

```

cgggacaaga gcaagctgat ccagctggga atcaccacag ttgtgaatgc cgctgcaggc 420
aagttccagg tggacacagg tgccaaattc taccgtggaa tgccctgga gtactatggc 480
atcgaggcgg atgacaaccc cttcttcgac ctacgtgtct actttctgcc tgttgctcga 540
tacatccgag ctgccctcag tgttcccaaa ggccgcgtgc tggtagactg tgccatgggg 600
gtaagccgct ctgccacact tgtcctggcc ttctcatga tctatgagaa catgacgctg 660
gtagaggcca tccagacggt gcaggcccac cgcaatatct gccctaactc aggccttcctc 720
cggcagctcc aggttctgga caaccgactg gggcgggaga cggggcgggt ctgatctggc 780
aggcagccag gatccctgac ccttggccca accccaccag cctggccctg ggaacagcag 840
gctctgctgt ttctagtac cctgagatgt aaacagcaag tgggggctga ggcagaggca 900
gggatagctg ggtggtgacc tcttagcggg tggatttccc tgaccaatt cagagattct 960
ttatgcaaaa gtgagttcag tccatctcta taataaaata ttcatcgtca taaaaaaaaa 1020
aaa 1023

```

<210> 42

<211> 4416

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1213802CB1

<400> 42

```

gaaatttttt tctgcctcat tattattaat tcatggattg agtggttggt cgacctacag 60
gcgtaataga ttggaactca gtgaagacac agatgttcc tttcagagca accagctaata 120
gattacagtt taaagacaat ttctgtgatc aagttgtcat ttggaagatt aaaccattt 180
cacgaggact tggagcctgg tccttgcttt gaggaagcag tggcttggtt caagaagcca 240
cttctgatct aagaatctac ccagcatgcc taatcaagga gaagactgct attttttttt 300
ctattccaca tgtaccaaag gcgacagctg cccattccgt cactgtgaag ctgcaatagg 360
aatgaaaact gtttgcacat tatggcaaga agggcgctgt tttcgacagg tgtgcagggt 420
tcggcacatg gagattgata aaaaacgcag tgaaattcct tgttattggg aaaatcagcc 480
aacaggatgt caaaaattaa actgcgcttt ccatcacaat agaggacgat atgttgatgg 540
ccttttctta cctccgagca aaactgtgtt gccactgtg cctgagtcac cagaagagga 600
agtgaaggct agccaacttt cagttcagca gaacaaattg tctgtccagt ccaatccttc 660
ccctcagctg cggagcggtt tgaaagtaga aagttccgaa aatgttctta gccccacgca 720
tccaccagtt gtaattaatg ctgcagatga tgatgaagat gatgatgatc agttttctga 780
ggaagggtgat gaaacaaaaa cacctaccct gcaaccaact cctgaagttc acaatggatt 840
acgagtgact tctgtccgga aacctgcagt caatataaag caaggtgaat gtttgaattt 900
tggaataaaa actcttgagg aaattaagtc aaagaaaaat aaggaaaaat ctaagaagca 960
agggtgaggt tcttcaggag ttccagctct tttactccac cctgagcccg ttccaggctc 1020
tgaaaaagaa aatgtcagga ctgtggtgag gacagtaact ctctccacca aacaaggaga 1080
agaacccttg gttagattga gtcttactga gagactgggg aaacgaaaat ttccagcagg 1140
cgggtgacagt gatcctccat taaagcgtag cctggcacag aggctaggga agaaagttga 1200
agctccagaa actaacattg aaaaaacacc aaagaaagct caagtttcca agtctcttaa 1260
ggagcgatta ggcattgtcag ctgatccaga taatgaggat gcaacagata aagttaataa 1320
agttggtgag atccattgtg agacattaga agaaattctt cttgaaagag ccagtcagaa 1380
acgtggagaa ttgcaaacta aactcaagac agaaggacct tcaaaaactg atgattctac 1440
ttcaggagca agaagctcct ccactatccg tatcaaaacc ttctctgagg tcttggtgta 1500
aaaaaaacat cggcagcagg aagcagagag acaaaaaagc aaaaaggata caacttgcac 1560
caagctaaag attgatagtg aaattaaaaa aacagtagtt ttgccacca ttgttgccag 1620
cagaggacaa tcagaggagc ctgcaggtaa aacaaagtct atgcaggagg tgcacatcaa 1680
gacgtctgga gaaattaaac tggagaagcc actgagggtg cagcagagct ctgagagcag 1740
caccagctcc ccgtctcaac acgaggccac tccaggggca agggcgctgc tgccaatcac 1800
caaaagaaca gggatgaaag aagagaagaa ccttcaggaa ggaaatgaag ttgattctca 1860
gagcagtatt agaacagaag ctaaagaggc ttcagggtgag accacaggag ttgacatcac 1920
taaaattcaa gtcaagagat gtgagaccat gagagagaag cacatgcaga aacagcagga 1980
gagggaaaaa tcagtcttga cacctcttcc gggagatgta gcctcttgca ataccaagt 2040
ggcagagaaa ccagtgtcca ctgctgtgcc aggaatcaca cgaagcggct 2100
tcccacaaag tcatccaga aggtggaggt agaaacctca gggattggag actcattatt 2160

```

```

gaatgtgaaa tgtgcagcac agaccttgga aaaaaggggt aaagctaaac ccaaagttaa 2220
cgtgaagcca tctgtgggta aagttgtgtc atcccccaaa ttggccccc aaacgtaaggc 2280
agtggagatg cacgctgctg tcattgccgc tgtgaagcca ctcagctcca gcagtgtcct 2340
acaggaaccc ccagccaaaa aggccagctgt ggctgttgct ccgcttgtct ctgaggacaa 2400
atcagtcact gtgcctgaag cagaaaatcc tagagacagt cttgtgtctc ctccaaccca 2460
gtcctcttca gattcctcac ccccgagggt gtctggccct tcctcatccc aaatgagcat 2520
gaaaactcgc cgactcagct ctgcctcaac aggaaagccc ccactctctg tggaggatga 2580
ttttgagaaa ctaatatggg agatttcagg aggcaaattg gaagctgaga ttgacctgga 2640
tcctgggaaa gatgaagatg acctctctgt tgagctatca gaaatgattg atagctgaag 2700
gtggtagtga ggacacttta aaaaaaaaaa ctggacttag tttcatctat 2760
tgtaacattt acctgagatg atcatttctt tagtctagaa tttgcccaca atcagaagta 2820
tacctctgaa ttatctgtat gtgtcctgga ttccttgggg tcagattttt aaagttactt 2880
tataaccatt ttgtccattt gatgccattg tttatcatct tttgagaaaa aagttctgtc 2940
atacccttct ctccacaaaa aagagactga gagggagatc aagtgaaggg gtgcaagcga 3000
acttagtgac tccttgagggt gtttgtcagt ttgggttttt ttcttctttg ttgtattctt 3060
tatgtattgt cttgatgtac ttaatatatt ctgagtttga aatggatgaa gacagctgct 3120
accattaagg accaaatttt atgtaccac taaacaaaaa taccactca gtctgtgtta 3180
aattgtatgt ctttttaaag gtatttaaag attcaactaa gctttaaaga gggctgagca 3240
gctcaggaag cctgtaatgt gggcataact ctttggacct gatcttgatg cttctgtctc 3300
tctgttagcc tctgaagagc aatatctaat ttattattac tgtaattttt taaaaggctt 3360
taaagtgcct caggggtccc ctgaaactaa ttttctattt ctgggattcc ctggattcat 3420
tatatgagat ggtgacatga ttagaggaat tcttttttag tatgaaaatt gtcccttttc 3480
ttcttcagta cttgcctcct tgctggcatt gaattaacac agggacaaaa tttggttaat 3540
tttttatttc taactctccc aacaaacccc tggtgccag tatttgtttg gtggccttta 3600
accacctgag ggaaaaaatg agcttattca agctgccaat atttatctat gggctgtagc 3660
agtacactga attgtactgt gccagggata ttgagatgct ctgggggtgt attgtatacc 3720
tgccagtttt cttctattct gaattgagtt ttcttttctt gatgttggtt tccttcatat 3780
cacctcaagg tttagatttg tgaaggaata agcatgatgg aaataatagt cttgaaagga 3840
gatatgttgt atataatcag gaggaagagg aaggaaggac ttaccattt tgatattttg 3900
ctgtagggtg ccagttttgt ttctcatagg gaaatctgac ccacctgtca tgttggctcc 3960
taaggaactg ctgttgtaag cggctcatca agagttgaac ttcacgtagc cttgttggga 4020
atatggaaaa ggaagaaagc cacaggactg ccatttcagt cttgggaaga ttgggatgat 4080
tctgcacaag caaaaatgac tgaagtttat gtagacac acctctacca atccatcttc 4140
agctgactga atgttgtag atagcccttc tccaaagcag aggtagaatg ttcaggtttc 4200
accatggatt ttctacttat ttctgttttg gaatcagctt acagattcca ggtccctttt 4260
gtatatattc tttattcttt tgctttttta aaaaataatt ttgtttcata tttaaagcac 4320
ttgtattagt caatgtttcg tgttccgcat tatttgaacc atttgcectt acagaaagag 4380
aaatacttgt ttgtgtttta aataaaaactg atgtag 4416

```

&lt;210&gt; 43

&lt;211&gt; 2068

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1378134CB1

&lt;400&gt; 43

```

gcagtcctac agtccgctga tgcgtcgccg ggccagcaac gctgcgcgag cagcccacac 60
gattggcggc agtaagcaca caatgaatga tcacctgcat gtcggcagcc acgctcacgg 120
acagatccag gtttcgacagt tgtttgagga taacagtaac aagcggacag tgctcacgac 180
acaaccaa at gggcttacaa cagtgggcaa aacgggcttg ccagtggtgc cagagcgcca 240
gctggacagc attcatagac ggcaggggag ctccacctct cttaaagtcca tggaaaggcat 300
ggggaagggt aaagccaccc ccatgacacc tgaacaagca atgaagcaat acatgcaaaa 360
actcacagcc ttcgaacacc atgagatttt cagctaccct gaaatatatt tcttgggtct 420
aaatgctaag aagcgccagg gcatgacagg tgggcccaac aatgggtggc atgatgatga 480
ccagggatca tatgtgcagg tgccccacga tcacgtggct tacaggtatg aggtcctcaa 540
ggtcattggg aaggggagct ttgggcaggt ggtcaaggcc tacgatcaca aagtcacaca 600

```

```

gcacgtggcc ctaaagatgg tgcggaatga gaagcgcttc caccggcaag cagcggagga 660
gatccgaatc ctggaacacc tgcggaagca ggacaaggat aacacaatga atgtcatcca 720
tatgtctggag aatttcacct tccgcaacca catctgcatg acgtttgagc tgctgagcat 780
gaacctctat gagctcatca agaagaataa attccagggc ttcagtctgc ctttggttcg 840
caagtttgcc cactcgattc tgcagtgttt ggatgttttg cacaaaaaca gaataattca 900
ctgtgacctt aagcccgaga acattttgtt aaagcagcag ggtagaagcg gtattaaagt 960
aattgatttt ggctccagtt gttacgagca tcagcgtgtc tacacgtaca tccagtcgcy 1020
tttttaccgg gctccagaag tgatccttgg gccaggtat ggcatgccc ttgatattgt 1080
gagcctgggc tgcattttag cagagctcct gacgggttac cccctcttgc ctggggaaga 1140
tgaaggggac cagctggcct gtatgattga actgttgggc atgccctcac agaaactgct 1200
ggatgcatcc aaacgagcca aaaattttgt gagctccaag ggttatcccc gttactgcac 1260
tgtcacgact ctctcagatg gctctgtggt cctaaacgga ggccgttccc ggagggggaa 1320
actgaggggc ccaccggaga gcagagagtg ggggaacgcy ctgaaggggt gtgatgatcc 1380
ccttttccct gacttcttaa aacagtgttt agagtgggat cctgcagtgc gcatgacccc 1440
aggccaggct ttgcggcacc cctggctgag gaggcggttg ccaaagcctc ccaccgggga 1500
gaaaacgtca gtgaaaagga taactgagag caccggtgct atcacatcta tatccaagtt 1560
acctccacct tctagctcag cttccaaact gaggactaat ttggcgcaga tgacagatgc 1620
caatgggaat attcagcaga ggacagtgtt gccaaaactt gttagctgag ctacgtccc 1680
ctgatgctgg taacctgaaa gatacgacat tgctgagcct tactgggttg aaaaggagta 1740
gctcagacct gtttttattt gctcaataac tctactcatt tgtatctttt cagcacttaa 1800
ttttaatgta agaaagtgtt tcattttgtt tttataaaat acatgaggag aatgctttaa 1860
gtttttatga tttcagaaac tttttgtgtt ctaaaagtac aatgagcctt actgtattta 1920
gtgtggcaga ataataacat cagtggcagg ccactgatta cttcatgact gccacgcatt 1980
tacagattgg tgtcaaagac attcactatg tttttatggt tcatgttata tctctcccag 2040
ggtgacagcc ccttaaggcc ctccctttt 2068

```

&lt;210&gt; 44

&lt;211&gt; 1850

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1490070CB1

&lt;400&gt; 44

```

gggctgcctg cctgcctgcc tgcctgcctg gcccgcccc agctccagcc tgcctcttcc 60
actggccact gcctcccacc cagggctggc atccctgtct cctgccttgg gtcccagact 120
gtgtcctcca tcaccgcagg tgggtgaggg cctggtgattc tagcccaaaa caaaacaggt 180
atcactgagc cctcactcct cctcattttg ctgctgattc cccccaaa cccccaggt 240
tgagcttttt cctccctcca gaagctcctc tctggctcgt ggctgccttc tgagtgttgc 300
agacggcgcc ggccgggaag gggggcctgg gccagccctg ccaggactgg gacgtgctg 360
ctggcgccctg gccctccatc aggccagcct gtggcaggag agtgagcttt gccgcggcag 420
acgcctgagg atgatgcccc agctgcagtt caaagatgcc ttttgggtgca gggacttcac 480
agcccacacg ggctacgagg tgcctgtgca gcggcttctg gatggcagga agatgtgcaa 540
agacatgggtg gagctactgt ggcagagggc ccaggcgag gagcggtacg ggaaggagct 600
ggtgcagatc gcacggaagg caggtggcca gacggagatc aactccctga gggcctcctt 660
tgactccttg aagcagcaaa tggagaatgt gggcagctca cacatccagc tggccctgac 720
cctgcgtgag gagctgcgga gtctcgagga gtctcgtgag aggcagaagg agcagaggaa 780
gaagtatgag gccgtcatgg accgggtcca gaagagcaag ctgtcgtctt acaagaaggc 840
catggagtcc aagaagacat acgagcagaa gtgccgggac gccgacgacg cggagcaggc 900
cttcgagcgc attagcgcca acggccacca gaggcaggtg gagaagagtc agaacaagc 960
caggcagtg caggactcgg ccaccgaggc agagcgggta tacaggcaga gcattgcgca 1020
gctggagaag gtccgggctg agtgggagca ggagcaccgg accacctgtg aggcccttca 1080
gctgcaagag tttgaccggc tgaccattct ccgcaacgcc ctgtgggtgc acagcaacca 1140
gctctccatg cagtgtgtca aggatgatga gctctacgag gaagtgcggc tgacgctgga 1200
aggctgcagc atagacgccg acatcgacag ttatcatccag gccaaagaga cgggcacaga 1260
gcccccgcct ccggtgcctc accagaacta ttacgatcgg gaggtcacc cgtgaccag 1320
cagccctggc atacagcctt cctgcggcat gataaagagg ttctctggac tgctgcacgy 1380

```

```

aagtcccaag accacttctgt tggcagcttc tgctgcgtcc acagagaccc tgacccccac 1440
ccccgagcgg aatgaggggtg tctacacagc catcgcagtg caggagatac agggaaaccc 1500
ggcctcacca gcccaggagt accgggcgct ctacgattat acagcgcaga acccagatga 1560
gctggacctg tccgcgggag acatcctgga ggtgatcctg gaaggggagg atggctggtg 1620
gactgtggag aggaacgggc agcgtggctt cgtccctggt tectacctgg agaagctttg 1680
aggaagggcc aggagcccct tcggacctgc cctgccagtg gagccagcag tgccccccagc 1740
actgtcccca ccttgctagg gcccagaacc aagcgtcccc cagccccgag aggggagcctg 1800
tcgtctccca ggaataaag gagtgcgttc tgttctcaaa aaaaaaaaaa 1850

```

&lt;210&gt; 45

&lt;211&gt; 2534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1997814CB1

&lt;400&gt; 45

```

gaagagggga tggagcaggg gctggaggag gaagaagagg tggatccccg gatccaggga 60
gaactggaga agttaaatca gtccacggat gatatcaaca gacgggagac tgaacttgag 120
gatgtctgtc agaagttccg ctctgttctg gttgaagcaa cggtgaaact ggatgaactg 180
gtgaagaaaa ttggcaaagc tgtggaagac tccaagccct actgggaggc acggagggtg 240
gcgaggcagg ctcagctgga agctcagaaa gccacgcagg acttccagag ggccacagag 300
gtgctccgtg ccgccaagga gaccatctcc ctggccgagc agcggctgct ggaggatgac 360
aagcggcagt tcgactccgc ctggcaggag atgctgaatc acgccactca gagggtcatg 420
gaggcggagc agaccaagac caggagcgag ctggtgcata aggagacggc agccaggtac 480
aatgcccgca tgggcccgcg ggcacagctg gagaagaaac tcaagagagc catcaacaag 540
tccaagcctt attttgaact caaggcaaag tactatgtgc agctcgagca actgaaaaag 600
actgtggatg acctgcaggc caaactgacc ctggcaaaag gcgagtacaa gatggccctg 660
aagaacctgg agatgatctc agatgagatc caccgagcggc ggcgctccag tgccatgggg 720
cctcggggat gcggtgttgg tgctgagggc agcagcacat ctgtggagga tctgccaggg 780
agcaaacctg agcctgatgc catttctgtg gcctcgagg cctttgaaga tgacagctgt 840
agcaactttg tgtctgaaga tgactcgga acccagtcct tgtccagctt tagttatgct 900
ccaacaagcc cgtctgagat gcctgaccag ttccctgcgg ttgtgaggcc tggcagcctg 960
gatctgcccc gccctgtgtc cctgtcagag tttgggatga tgttcccagt gttgggccct 1020
cgaagtgaat gcagcggggc ctctccccc gaatgtgaag tagaacgagg agacagggca 1080
gaaggggcag agaataaaac aagtgacaaa gccacaaca accggggcct cagcagtagc 1140
agtggcagtg gtggcagcag taagagccaa agcagcacct cccctgaggg ccaggccttg 1200
gagaaccgga tgaagcagct ctccctacag tgctcaaagg gaagagatgg aattattgct 1260
gacataaaaa tgggtgcagat tggctgattc atcctgggcc ctggccgatg tgcatatcaa 1320
catttatata tggaaactgga gaacattgtg ccaataatca tttaatatat gccaaatctt 1380
acacgtctac tctaaactgc tctaataaag tttcagtgac cttgagggct aaagattgtt 1440
cttctgggta agagctcttg ggctggtttt tcagagcaga gttcttgttg tgggtagact 1500
gtgactaggt tcacagcctt tgtggaacat tccgtataac ggcattgttg aagcaataac 1560
tagttcctat gaaagaacca gagctgggaa ctggctggg aagccaggcc aaagtggggg 1620
caacagcttg cttctctttc tcttctcacc ctgagtttgt atgggaaaaat ggagatgtcc 1680
tctccacttt atcccacgat atctaaatga aaaagaaaga aaaccacac acaaagcaaa 1740
aactcaagta ttaagagcac atatttttga ccagtgagg gcttaaaaaa aaaaaaatcc 1800
aagaacacaa ttcattttca ccacctctgg tgttcagagg gggcttttaa aaaagcgtgt 1860
atgtcgggat acccattaaa accattttct agaaggctac catgagctgc actttttggg 1920
gtgggaaagg tggaatgccg tgggatgcg ggggatagag ggtaggaggg ggtatagaa 1980
ggggatttgt ggctgtgggg gagaagggtc tacagcataa gccttatcct gccagccaag 2040
gggatttatt ctaagagaag tgcattgtgaa gaatggttgc cactgttatt agattgacaa 2100
gatgttaatt tctctgtagg ttgtaacttt aaaaataaat gaaattattt aagggttatg 2160
ctgcactagt attccttaga ggaaacagtt ctttaaagtt aggaaaggga gtaggcaggc 2220
atgtgttggc aaaggctgtt aatagtagtt aagtgttaag actgcttttc tttaacgttt 2280
tcattgtaat gcatatttag agcatgttat tttgtctctg ttaagaaaat ttgacatttc 2340
taaaagaaaa aagcaaccct ctttcaaact gttaattctg tcacagcctg tatattttag 2400

```



```

tcatttgtaa atctotctcat acaatagtga cttctttttt gactgataca gtatcttaat 2460
tacaagggtta ttttgtactt gtcttaatac actaagtgtg ataaaaaacgg cttgagaaaa 2520
gttaaaaaaaa aaaa 2534

```

```

<210> 46
<211> 3786
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 2299715CB1

```

```

<400> 46
ccgtcctcga ggcgaggaga gtaccggggc gcccggtctg ccgcgcgagg agcgcggtcg 60
gcggcctggt ctgcggctga gatacacaga gcgacagaga catttattgt tatttgtttt 120
ttggtggcaa aaagggaaaa tggcgaacga ctcccctgca aaaagtctgg tggacatcga 180
cctctcctcc ctgcgggata ctgctgggat ttttgagctg gtggaagtgg ttggaaatgg 240
cacctatgga caagtctata agggctcgaca tgttaaaacg ggtcagttgg cagccatcaa 300
agttatggat gtcactgagg atgaagagga agaaatcaaa ctggagataa atatgctaaa 360
gaaatactct catcacagaa acattgcaac atattatggt gctttcatca aaaagagccc 420
tccaggacat gatgaccaac tctggcttgt tatggagttc tgtggggctg ggtccattac 480
agaccttgtg aagaacacca aagggaacac actcaaagaa gactggatcg cttacatctc 540
cagagaaatc ctgaggggac tggcacatct tcacattcat catgtgattc accgggatat 600
caagggccag aatgtgttgc tgactgagaa tgcaggggtg aaacttgttg actttggtgt 660
gagtgtcag ctggacagga ctgtggggcg gagaaatacg ttcataggca ctccctactg 720
gatggctcct gaggtcatcg cctgtgatga gaaccagat gccacctatg attacagaag 780
tgatctttgg tcttgtggca ttacagccat tgagatggca gaaggtgctc cccctctctg 840
tgacatgcat ccaatgagag cactgtttct cattcccaga aacctctctc cccggctgaa 900
gtcaaaaaaa tggctgaaga agtttttttag ttttatagaa ggggtgcttg tgaagaatta 960
catgcagcgg cctctacag agcagctttt gaaacatcct tttataagg atcagccaaa 1020
tgaaaggcaa gttagaatcc agcttaagga tcatatagat cgtaccagga agaagagagg 1080
cgagaaagat gaaactgagt atgagtacag tgggagttag gaagaagagg aggaagtgcc 1140
tgaacaggaa ggagagccaa gttccattgt gaactgacct ggtgagtcct ctcttcgccg 1200
agatttctct agactgcagc aggagaacaa ggaacgttcc gaggtctctc ggagacaaca 1260
gttactacag gagcaacagc tccgggagca ggaagaatat aaaaggcaac tgctggcaga 1320
gagacagaag cggattgagc agcagaaaaga acagaggcga cggctagaag agcaacaaag 1380
gagagagcgg gaagctagaa ggcagcagga acgtgaacag cgaaggagag aacaagaaga 1440
aaagaggcgt ctagaggagt tggagagaag gcgcaaagaa gaagaggaga ggagacgggc 1500
agaagaagaa aagagagag ttgaaagaga acaggagtat atcaggcgag agctagaaga 1560
ggagcagcgg cacttggaag tcttcagca gcagctgctc caggagcagg ccatgttact 1620
gcatgaccat aggaggccgc acccgagca ctgcagcag ccgccaccac cgcagcagga 1680
aaggagcaag ccaagcttcc atgctcccga gcccaaagcc cactacgagc ctgctgaccg 1740
agcgcgagag gttcctgtga gaacaacatc tcgctccctt gttctgtccc gtcgagattc 1800
cccactgcag ggcagtgggc agcagaatag ccaggcagga cagagaaact ccaccagtat 1860
tgagcccagg cttctgtggg agagagtgga gaagctgggt cccagacctg gcagtggcag 1920
ctcctcaggg tccagcaact caggatccca gcccggtct caccctgggt ctgagagtgg 1980
ctccggggaa cgcttcagag tgagatcatc atccaagtct gaaggtctct catctcagcg 2040
cctggaaaat gcagtgaata aacctgaaga taaaaaggaa gttttcagac cctcaagcc 2100
tgctgatctg accgcaactg ccaaagagct tcgagcagtg gaagatgtac ggccacctca 2160
caaagtaacg gactactcct catccagtga ggagtcgggg acgacggatg aggaggacga 2220
cgatgtggag caggaagggg ctgacgagtc cactcagga cagagggaca ccagagcagc 2280
gtcatctctg aatttgagca atgggtgaaac ggaatctgtg aaaacctga ttgtccatga 2340
tgatgtagaa agtgagccgg ccatgacccc atccaaggag ggcactctaa tcgtccgcca 2400
gactcagtc gctagtagca cactccagaa acacaaatct tctcctcct ttacaccttt 2460
tatagacccc agattactac agatttctcc atctagcgga acaacagtga catctgtggt 2520
gggattttcc tgtgatggga tgagaccaga agccataagg caagatccta cccggaaagg 2580
ctcagtggtc aatgtgaatc ctaccaacac taggccacag agtgacaccc cggagattcg 2640
taaatacaag aagaggttta actctgagat tctgtgtgct gccttatggg gagtgaattt 2700

```

```

gctagtgggt acagagagtg gcctgatgct gctggacaga agtggccaag ggaaggtcta 2760
tcctcttata aaccgaagac gatttcaaca aatggacgta cttgagggct tgaatgtctt 2820
ggtgacaata tctggcaaaa aggataagtt acgtgtctac tatttgtcct gggttaagaaa 2880
taaaataactt cacaatgata cagaagttga gaagaagcag ggatggacaa ccgtagggga 2940
tttggaagga tgtgtacatt ataaagttgt aaaatatgaa agaatacaat ttctggtgat 3000
tgctttgaag agttctgtgg aagtctatgc gtgggcacca aagccatata acaaatttat 3060
ggcctttaag tcatttggag aattggtaca tggatcctgt gctggattcc atgctgttga 3120
tgtggattca ggatcagtct atgacattta tctaccaaca catatccagt gtagcatcaa 3180
accccatgca atcatcatcc tccccaatac agatggaatg gagcttctgg tgtgctatga 3240
agatgagggg gtttatgtaa acacatatgg aaggatcacc aaggatgtag ttctacagt 3300
gggagagatg cctacatcag tagcatatat tcatccaat cagacaatgg gctggggaga 3360
gaaggccata gagatccgat ctgtggaaac tggtcacttg gatggtgtgt tcatgcacaa 3420
aagggctcaa agactaaaat tcttgtgtga acgcaatgac aaggtgttct ttgcctctgt 3480
tcggtctggt ggcagcagtc aggtttatct catgacctta ggcaggactt ctcttctgag 3540
ctgtgagaag cagtgtgac cagggattac tggcctccag agtcttcaag atcctgagaa 3600
cttggaaattc cttgtaactg gagctcggag ctgcaccgag ggcaaccagg acagctgtgt 3660
gtgcagacct catgtgttgg gttctctccc ctcttctctg ttctctttat ataccagttt 3720
atccccattc tttttttttt tcttactcca aaataaatca aggctgcaat gcagctggtg 3780
ctgtta 3786

```

&lt;210&gt; 47

&lt;211&gt; 1182

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 209854CB1

&lt;400&gt; 47

```

gttgggtgaag tcaagcgaag ggcactagag ctccaggagg gccagttctg tgggctctag 60
tcggccatat taataaagag aaagggaagg ctgaccgtcc ttgcctccg cccccacata 120
cacaccctt cttccactc cgtcttcacg actaagctct cagattaag gcacgcctgc 180
ctcgattgtc cagcctctgc cagaagaaag cttagcagcc agcgctcag tagagacct 240
agggcgctga atgagtggga aagggaatg ccgaccaatt gcgtgcggc gggctgtgcc 300
actacctaca acaagcacat taacatcagc ttccacaggt ttcttttga tctaaaaga 360
agaaaagaat gggttcgctt ggtaggcgc aaaaattttg tgccaggaaa acacactttt 420
ctttgttcaa agcactttga agcctcctgt ttgacctaa caggacaaac tcgacgactt 480
aaaatggatg ctgttccaac catttttcat ttttgtacct atataaagtc tatgaaactc 540
aagtcaagga atcttttgaa gaaaaacaac agttgttctc cagctggacc atctaattta 600
aaatcaaaca ttagtagtca gcaagtacta cttgaacaca gctatgcctt taggaatcct 660
atggaggcaa aaaagaggat cattaaactg gaaaaagaaa tagcaagctt aagaagaaaa 720
atgaaaactt gcctacaaaa ggaacgcaga gcaactcgaa gatggatcaa agccacgtgt 780
ttggtaaaga atttagaagc aaatagtgtt ttacctaaag gtacatcaga acacatgtta 840
ccaactgcct taagcagtct tcttttgaa gattttaaga tcttgaaca agatcaacaa 900
gataaaacac tgctaagtct aaatctaaaa cagaccaaga gtaccttcat tttaaatttag 960
cttgacaga gcttgatgcc tctcttcat tcttttcaga agtaaagata attatggcac 1020
ttatgccaaa attcattatt taataaagtt ttacttgaag taacattact gaatttgtga 1080
agacttgatt acaaaagaat aaaaaacttc atatggaaat tttatttgaa aatgagtgga 1140
agtgccctac attagaatta cggactttca aaactatgat aa 1182

```

&lt;210&gt; 48

&lt;211&gt; 1676

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1384286CB1

&lt;400&gt; 48

tcgccgagcc	cgtccgccgc	cgccatggcc	accacggtga	cctgcaccgc	cttcaccgac	60
gagtaccagc	tctacgagga	tattggcaag	ggggctttct	ctgtgggtccg	acgctgtgtc	120
aagctctgca	cgggccatga	gtatgcagcc	aagatcatca	acaccaagaa	gctgtcagcc	180
agagatcacc	agaagctgga	gagagaggct	cggatctgcc	gccttctgaa	gcattccaac	240
atcgtgcgtc	tccacgacag	catctccgag	gagggcttcc	actacctggt	cttcgatctg	300
gtcactgggtg	gggagctctt	tgaagacatt	gtggcgagag	agtactacag	cgaggctgat	360
gccagtcact	gtatccagca	gacccctggag	gccgttctcc	attgtcacca	aatgggggtc	420
gtccacagag	acctcaagcc	ggagaacctg	cttctggcca	gcaagtgcaa	aggggctgca	480
gtgaagctgg	cagacttcgg	cctagctatc	gaggtgcagg	gggaccagca	ggcatggttt	540
ggtttcgctg	gcacaccagg	ctacctgtcc	cctgaggtcc	ttcgcaaaga	ggcgtacggc	600
aagcccgtgg	acatctgggc	atgtgggggtg	atcctgtaca	tcctgctcgt	gggctacca	660
cccttctggg	acgaggacca	gcacaagctg	taccagcaga	tcaaggctgg	tgccatgac	720
ttcccgctcc	ctgagtggga	caccgtcact	cctgaagcca	aaaacctcat	caaccagatg	780
ctgacctaca	accctgccaa	gcgcatacaca	gcccatgagg	ccctgaagca	cccgtgggtc	840
tgccaacgct	ccacggtagc	atccatgatg	cacagacagg	agactgtgga	gtgtctgaaa	900
aagttcaatg	ccaggagaaa	gctcaaggga	gccatcctca	ccaccatgct	ggccacacgg	960
aatttctcag	cagccaagag	tttactcaac	aagaaagcag	atggagtcaa	gccccatacg	1020
aatagcacca	aaaacagtgc	agccgccacc	agccccaag	ggacgcttcc	tcctgccgcc	1080
ctggagtctt	ctgacagtgc	caataaccacc	atagaggatg	aagacgctaa	agcccgggaag	1140
caggagatca	ttaagaccac	ggagcagctc	atcgaggccg	tcaacaacgg	tgactttgag	1200
gcctacgcga	aaatctgtga	cccagggtctg	acctcgtttg	agcctgaagc	actggggcaac	1260
ctggttgaag	ggatggactt	ccacagattc	tacttcgaga	acctgctggc	caagaacagc	1320
aagccgatcc	acacgaccat	cctgaaccca	cacgtgcacg	tcattggaga	ggatgccgcc	1380
tgcatacgctt	acatccggct	cacgcagtac	attgacgggc	agggccggcc	ccgcaccagc	1440
cagtctgagg	agaccgcgct	gtggcacccgc	cgcgacggca	agtggcagaa	cgtgcacttc	1500
cactgctcgg	gcgcgcctgt	ggccccgctg	cagtgaagag	ctgcgccttg	gtttcgcctg	1560
acagagttgg	tgtttgagc	ccgactgcc	tcgggcacac	ggcctgcctg	tcgcatgttt	1620
gtgtctgcct	cgttccctcc	cctggtgcct	gtgtctgcag	aaaaacaagc	ccgact	1676

&lt;210&gt; 49

&lt;211&gt; 1597

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1512656CB1

&lt;400&gt; 49

tcggccttctg	gaaagacccc	ggggccgggg	cacggagaga	gccgagcgcc	gcagccgtga	60
gccgaataga	gccggagaga	cccaggtatg	accggagaag	cccaggccgg	ccggaagagg	120
agccgagcgc	ggccggaagg	aaccgagccc	gtccgaagg	agcggacgca	gcctggcctg	180
gggcccggtc	gagcccgcgc	catggcggcc	gagggcacag	ctgtggccgg	aagcggggct	240
gttggcggtc	gcctggccaa	agacggcctg	cagcagtcta	agtggccgga	cactacccca	300
aaacggcggc	gcgcctcgtc	gctgtcgctg	gacgccgagc	gccgagccta	ccaatggtgc	360
cgggagtact	tgggcggggc	ctggcgccga	gtgcagcccg	aggagctgag	ggttttacccc	420
gtgagcggag	gcctcagcaa	cctgctcttc	cgctgctcgc	tcgccgacca	cctgcccagc	480
gttggcgagg	agccccggga	ggtgcttctg	cggctgtacg	gagccatctt	gcagggcgtg	540
gactccctgg	tgctagaaa	cgtgatgttc	gccatacttg	cggagcggtc	gctggggccc	600
cagctgtacg	gagttctccc	agagggccgg	ctggaacagt	acatcccaag	tcggccattg	660
aaaactcaag	agcttcgaga	gccagtgttg	tcagcagcca	ttgccacgaa	gatggcgcaa	720
tttcatggca	tggagatgcc	tttccacca	gagccccact	ggctgttttg	gaccatggag	780
cggtagctaa	aacagatcca	ggacctgccc	ccaactggcc	tccttgagat	gaacctgctg	840
gagatgtaca	gcctgaagga	tgagatgggc	aacctcagga	agttactaga	gtctacccca	900
tcgccagtgc	tcttctgcca	caatgacatc	caggaaggga	acatcttgc	gctctcagag	960
ccagaaaatg	ctgacagcct	catgctgggtg	gacttcgagt	acagcagtta	taactatagg	1020
ggctttgaca	tttgggaacca	ttttgtgag	tgggtttatg	attatactca	cgaggaatgg	1080
cctttctaca	aagcaaggcc	cacagactac	ccactcaag	aacagcagtt	gcattttatt	1140

```

cgtcattacc tggcagagggc aaagaaaggt gagaccctct cccaagagga gcagagaaaa 1200
ctggaagaag atttgctggt agaagtcagt cggatgctc tggcatccca tttcttctgg 1260
ggtctgtggt ccatcctcca ggcattccatg tccaccatag aatttggtta cttggactat 1320
gcccagtcctc ggttccagtt ctacttccag cagaaggggc agctgaccag tgtccactcc 1380
tcattctgac tccaccctcc cactccttgg atttctcctg gagcctccag ggcaggacct 1440
tggagggagg aacaacgagc agaaggccct ggcgactggg ctgagccccc aagtgaaact 1500
gaggttcagg agaccggcct gttcctgagt ttgagtaggt ccccatgggt ggcaggccag 1560
agccccgtgc tgtgtatgta acacaataaa caagctg 1597

```

```

<210> 50
<211> 2145
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 2098635CB1

```

```

<400> 50
cccacgcgtc cggacagctt gaccagttt gctttccaat caaagggcat ttattttgaa 60
tgtctctttg tggcgcaaga gccaacgcaa aaatgatggc ggcttacaat ggcgggtacat 120
ctgcagcagc agcaggtcac caccaccacc atcaccacca ccttccacac ctccctcctc 180
ctcacctgct tcaccaccac caccctcaac accatcttca tccggggctg gctgccgctg 240
tacaccctgt acagcagcac acctcttcgg cagctgcggc agccgcagca ggcgctgcag 300
ctgcagccat gttaaaccct gggcaacaac agccatattt cccatcaccg gcaccggggc 360
aggctcctgg accagctgca gcagccccag ctcaggtaca ggctgcgcga gctgctacag 420
ttaaggcgca ccatcatcag cactcgcac atccacagca gcagctggat attgagccgg 480
atagacctat tggatatgga gcctttgggtg ttgtctggtc agtaacagat ccaagagatg 540
gaaagagagt agcgtcctaaa aagatgccca acgtcttcca gaatctgggtc tcttgcaaaa 600
gggtcttccg ggaattgaag atgttgtgtt tttttaagca tgataatgta ctctctgccc 660
ttgacatact ccaacctcca cacattgact attttgaaga aatatatgtt gtcacagaat 720
tgatgcagag tgacctacat aaaattatcg tctctcctca accactcagc tcagatcatg 780
tcaaagtttt tctttatcag attttgcgag gtttgaaata tctccattca gctggcattt 840
tacatcgaga cattaaacca gggaaatctcc ttgtgaacag caactgtgtt ctaaagattg 900
gtgatttttg attggccaga gtggaagagt tagatgaatc ccgtcatatg actcaggaag 960
ttgttactca gtattatcgg gctccagaaa tcctgatggg cagccgtcat tacagcaatg 1020
ctattgacat ctggtctgtg ggatgtatct ttgcagaact actaggacga agaataattg 1080
ttcaggcaca gagtcccat cagcagtttg atttgatcac ggatctgttg ggcacaccat 1140
cactggaagc aatgaggaca gcttgtgaag gcgctaaggc acatatactc aggggtcctc 1200
ataaacagcc atctcttctt gtactctata ccctgtctag ccaggctaca catgaagctg 1260
ttcatctcct ttgcaggatg ttggtctttg atccatccaa aagaatatcc gctaaggatg 1320
ccttagccca cccctacct gatgaagggc gactacgata tcacacatgt atgtgtaaat 1380
gttgcttttc cacctccact ggaagagttt ataccagtga ctttgagcct gtcaccaatc 1440
ccaaatttga tgacactttc gagaagaacc tcagttctgt ccgacagggt aaagaaaatta 1500
ttcatcagtt cattttgga cagcagaaag gaaacagagt gcctctctgc atcaaccctc 1560
agtctgctgc ttttaagagc tttattagtt ccactgttgc tcagccatct gagatgcccc 1620
catctcctct ggtgtgggag tgatgggtgga agataatgta ctactgaaga tgtaatgtag 1680
ctttccactg gagtctggga tttgcaattc tggaggttaa tcatgcttgt actgtaattt 1740
tactaatgaa gttttaaat aacaaccact acttgtatga tatgaataat atttagaaat 1800
gttactagac ttttaattct gtaaagtggg tgtgctttta gaagaaaaat attttaccca 1860
gagttgcaca tgttttatga attttagtgca gctgttatgg ctcacctcag aacaaaagag 1920
aattgaacca aatttgggag tttggggttt tatgttttgt ttttcttttc taaaatgaag 1980
tgagattgtt cacacacaca cacacacaca cacacacaca caaaacaca aaggacagtc 2040
atacattttg atatttgagc cattcctaaa gatttggggg tttctaaaaa taaagaatct 2100
aggaaccttg cctgcgacca atcatggagc cacgtgagct gatcg 2145

```

```

<210> 51
<211> 1454
<212> DNA

```

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2446646CB1

&lt;400&gt; 51

```

gggttcgaat tgcaacggca gctgccgggc gtatgtgttg gtgctagagg cagctgcagg 60
gtctcgctgg gggccgctcg ggaccaatth tgaagaggta cttggccacg acttattttc 120
acctccgacc ttctcttcca ggcggtgaga ctctggactg agagtggcct tcacaatgga 180
agggatcagt aattttcaaga caccaagcaa attatcagaa aaaaagaaat ctgtattatg 240
ttcaactcca actataaata tcccgccctc tccgtttatg cagaagcttg gctttggtac 300
tggggtaaat gtgtacctaa tgaaaagatc tccaagaggt ttgtctcatt ctccctgggc 360
tgtaaaaaag attaatccta tatgtaatga tcattatcga agtgtgtatc aaaagagact 420
aatggatgaa gctaagatth tgaaaagcct tcatcatcca aacattgttg gttatcgtgc 480
ttttactgaa gccaatgatg gcagtctgtg tcttgctatg gaatatggag gtgaaaagtc 540
tctaaatgac ttaatagaag aacgatataa agccagccaa gatccttttc cagcagccat 600
aattttaaaa gttgctttga atatggcaag agggttaaag tatctgcacc aagaaaagaa 660
actgcttcat ggagacataa agtcttcaaa tgttgtaatt aaaggcgatt ttgaaacaat 720
taaaatctgt gatgtaggag tctctctacc actggatgaa aatatgactg tgactgaccc 780
tgaggcttgt tacattggca cagagccatg gaaaccctaa gaagctgtgg aggagaatgg 840
tgttattact gacaaggcag acataatttg ctttggcctt actttgtggg aaatgatgac 900
tttatcgatt ccacacatta atctttcaaa tgatgatgat gatgaagata aaacttttga 960
tgaaagtgat tttgatgatg aagcactata tgcagcgttg ggaactaggc cacctattaa 1020
tatggaagaa ctggatgaat cataccagaa agtaattgaa ctcttctctg tatgcactaa 1080
tgaagaccct aaagatcgtc cttctgctgc acacattgtt gaagctctgg aaacagatgt 1140
ctagtgatca tctcagctga agtgtggcct gcgtaaataa ctgtttattc caaaatattt 1200
acatagttac tatcagtagt tattagactc taaaattggc atatttgagg accatagttt 1260
cttgtaaca tatggataac tattttctaat atgaaatatg cttatattgg ctataagcac 1320
ttggaattgt actgggtttt ctgtaaagtt ttagaaacta gctacataag tactttgata 1380
ctgctcatgc tgacttaaaa cactagcagt aaaacgctgt aaactgtaac attaaattga 1440
atgaccatta cttt                                     1454

```

&lt;210&gt; 52

&lt;211&gt; 3225

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2764911CB1

&lt;400&gt; 52

```

tggagcaggg ggcggttttg ttgcgcggta ctacggtgac ccgccgaatg gggaggaggc 60
gaggagcgag ccgtgcggcc agagcgggaa agagactcgt ctttgcgtcc gagttctgga 120
gccgccgcac ccgactcct gggcccgcgg cagcggtgc gaggggacgg gcgtccgctg 180
tctcctgggt tccctcgtg gcgacccgcg ggatcggaaa aaaaggagaa gatggaggag 240
gagggtggca gcagcggcgg ccgcgcgggg accagcgcgg acggcggcga cggaggagag 300
cagctcctca ctgtcaagca cgagctgcgg actgctaatt tgacaggaca tgctgagaag 360
gtgggaatag aaaattttga gctcctgaag gtccataggaa ctggagctta tggaaaagta 420
tttctagtth gtaaaataag tggccatgat actggaaagc tgtatgccat gaaagtthttg 480
aaaaaggcaa caatcgthca aaagcccaaa accacagagc atacaaggag agaagtgaca 540
gtcctggaa acattaggca gtgcgccatt ttggtaacat tacattatgc tttccagaca 600
gaaaccaaac ttcattctcat tttagattat ataaatgggt gtgaactttt taccatctt 660
tctcaaagag agcgtttcac agagcatgag gtgcagattt atgttgagaa gattgtgctt 720
gccctcgaac atctccacaa gttggggatt atatatcgtg atattaagct tgagaatatt 780
ctacttgatt ctaatggcca tgtggtgctg acagattttg gtctgagtaa ggagtttgtg 840
gctgatgaaa ctgaaagagc atattccttt tgtggaacta ttgaatacat ggcaccagat 900
attgtcagag ggggagattc aggacatgac aaggcagttg actggtggag tttgggtgtt 960

```

ctaagtgtatg	aattactaac	tggagcatct	cctttcactg	ttgatggaga	aaaaaattcc	1020
caagctgaga	tatctaggag	aatattaaaa	agtgagcctc	catatcccca	agaaatgagt	1080
gcttttagcga	aagacctaat	tcagcgtctt	ttgatgaaag	atcccaagaa	gagattggga	1140
tgtggtccac	gtgatgcaga	tgaaatcaaa	gaacatctct	tctttcagaa	aataaattgg	1200
gatgatttag	ccgccaaaaa	agtgcctgca	ccatttaagc	cagtcattcg	agatgaatta	1260
gatgtgagta	actttgcaga	agagttcaca	gaaatggatc	ccacttattc	tcccgcagcc	1320
ctgccccaga	gttctgagaa	gctgtttcag	ggctattcct	ttgttgcctc	ttccatccta	1380
ttcaagcgta	atgcagctgt	catagaccct	cttcagtttc	acatgggagt	tgaacgtcct	1440
ggagtgacaa	atgttgccag	gagtgcaatg	atgaaggact	ctccattcta	tcaacactat	1500
gacctagatt	tgaaggacaa	accctgggga	gaaggtagtt	tttcaatttg	tcgaaagtgt	1560
gtgcataaaa	aaagtaacca	agcttttgca	gtcaaaataa	tcagcaaaaag	gatggaagcc	1620
aatactcaaa	aggaaataac	agctctggaa	ctctgtgaag	gacaccccaa	tattgtgaag	1680
ttgcatgaag	tttttcatga	tcagcttcac	acgtttctag	tgatggaact	tctgaatgga	1740
ggagaactgt	ttgagcgcac	taagaaaaag	aagcacttca	gtgagacgga	agccagctac	1800
atcatgagga	agcttgtttc	agctgtaagc	cacatgcatg	atgttggagt	ggcgacacag	1860
gatctgaaac	ctgagaattt	attgttcacc	gatgaaaatg	acaatttggg	aattaaaaata	1920
attgattttg	gatttgcacg	gctaaagcca	ccggataatc	agcccttgaa	gactccatgc	1980
ttcacccttc	attatgccgc	cccagagctc	ttgaatcaga	acggctacga	tgagtctgt	2040
gacctgtgga	gcttgggctg	cattttgtac	acaatgttgt	caggacaggt	tcccttccaa	2100
tctcatgacc	gaagtttgac	gtgtaccagc	gcggtggaaa	tcatgaagaa	aattaaaaag	2160
ggagatttct	cctttgaagg	agaagcctgg	agaatgtat	ccaagaggc	taaagatttg	2220
atccaaggac	ttctcacagt	agatccaaac	aaaaggctta	aaatgtctgg	cttgaggtag	2280
aatgaatggc	tacaagatgg	aagtcagctg	tcttccaatc	ctctgatgac	tccggatatt	2340
ctaggatctt	ccggagctgc	cgtgcatacc	tgtgtgaaag	caaccttcca	cgcctttaac	2400
aaatacaaga	gagaggggtt	ttgccttcag	aatgttgata	aggccctttt	ggctaagaga	2460
agaaaaatga	aaaagactag	caccagtacc	gagacacgca	gcagttccag	tgagagtccc	2520
cattcttctt	cctctcattc	tcacggtaaa	actacacca	ccaagacact	gcagcccagc	2580
aatcctgccc	acagcaataa	cccgagagcc	ctcttccagt	tctcggaact	agtagcttag	2640
gcatggttag	agtgtatcag	tgatccattg	cacctttatt	ccctcagcat	atgcctgagg	2700
cgatctttta	tgtttttaa	aatgtttccc	gttgggtctc	ttggaatctg	cctcctaatt	2760
atttttttca	ggaaaacctg	tttgggttat	ctcattcaaa	agcactggac	agagaatgtt	2820
actgtgaata	gagcacatat	tactcttttt	agcaacctag	catgatgcca	acaagactat	2880
tcttgaaaga	gcaaagggtc	ctgtaaaatt	aattagggct	agatttgagc	tgcttgtaa	2940
tcacagggtt	tccagatgtc	tgccaacaag	aatgactcca	tactgtgatg	ataccttttg	3000
ctttgccttg	tggacaatgt	gggtttttga	aatttgcacc	cttcaaacaa	tgatttatca	3060
gagaaagggg	tctgttttca	aaaaagattc	tgtaatgaat	tttatgtgtg	gcataacttt	3120
atttcttgag	agaagatttt	aacttattgt	ttttatttta	tggttacata	tgatgataac	3180
ctgctattat	taaacttttt	ctaaaaagtg	aaaaaaaaaa	aaaaa		3225

&lt;210&gt; 53

&lt;211&gt; 2110

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3013946CB1

&lt;400&gt; 53

tcgccgagcc	cgtccgcgcg	cggcatggcc	accacggtag	cctgcacccg	cttcaccgac	60
gagtaccagc	tctacgagga	tattggcaag	ggggctttct	ctgtgggtccg	acgctgtgtc	120
aagctctgca	ccggccatga	gtatgcagcc	aagatcatca	acaccaagaa	gctgtcagcc	180
agagatcacc	agaagctgga	gagagaggct	cggatctgcc	gccttctgaa	gcattccaac	240
atcgtgcgtc	tccacgacag	catctccgag	gagggcttcc	actacctggg	cttcgatctg	300
gtcactgggtg	gggagctctt	tgaagacatt	gtggcgagag	agtactacag	cgaggctgat	360
gccagtcact	gtatccagca	gacccctggg	gccgttctcc	attgtcacca	aatgggggtc	420
gtccacagag	acctcaagcc	ggagaacctg	cttctggcca	gcaagtgcaa	aggggctgca	480
gtgaagctgg	cagacttcgg	cctagctatc	gaggtgcagg	gggaccagca	ggcattgggtt	540
ggtttcgctg	gcacaccagg	ctacctgtcc	cctgagggtcc	ttcgcaaaaga	ggcgtatggc	600

```

aagcctgtgg acatctgggc atgtgggggtg atcctgtaca tctgtctcgt gggtaccca 660
cccttctggg acgaggacca gcacaagctg taccagcaga tcaaggctgg tgcctatgac 720
ttcccgctccc ctgagtggga caccgtcact cctgaagcca aaaacctcat caaccagatg 780
ctgaccatca accctgccaa ggcacacaca gcccatgagg ccctgaagca cccgtgggtc 840
tgccaacgct ccacggtagc atccatgatg cacagacagg agactgtgga gtgtctgaaa 900
aagttcaatg ccaggagaaa gctcaaggga gccatcctca ccaccatgct ggccacacg 960
aatttctcag ccaagagttt actcaacaag aaagcagatg gagtcaagcc ccagacgaat 1020
agcaccaaaa acagtgcagc cgccaccagc cccaaaggga cgcttctctc tgccgccctg 1080
gagcctcaaa ccaccgtcat ccataaccca gtggacggga ttaaggagtc ttctgacagt 1140
gccaatacca ccatagagga tgaagacgct aaagcccccga gggteccccga catcctgagc 1200
tcagtgagga ggggctcggg agccccagaa gccgaggggc ccctgccttg cccatctccg 1260
gctccctttg gccccctgcc agctccatcc cccaggatct ctgacatcct gaactctgtg 1320
agaaggggtt caggaacccc agaagccgag gggccctctc cagcgggggc cccgccctgc 1380
ctgtctcggg ctctcctagg cccctgtccc tcccgtctcc ccaggatctc tgacatcctg 1440
aactctgtga aggggggtc agggacccca gaagccaagg gcccctcgcc agtgggggcc 1500
ccgccctgcc catctccgac tatccctggc cccctgccc ccccatcccg gaagcaggag 1560
atcattaaga ccacggagca gctcatcgag gccgtcaaca acggtgactt tgaggcctac 1620
gcgaaaatct gtgaccagg gctgacctcg tttgagcctg aagcactggg caacctgggt 1680
gaagggatgg acttccacag attctacttc gagaacctgc tggccaagaa cagcaagcca 1740
atccacacga ccatacctgaa cccacacgtg cacgtcattg gagaggatgc cgctgcac 1800
gcttacatcc ggctcacgca gtacattgac gggcagggcc gggcccgcc cagccagtct 1860
gaggagaccc gcgtgtggca ccgcgcgcac ggcaagtggc agaattgtga cttccactgc 1920
tcgggcgcgc ctgtggcccc gctgcagtga agagctgcgc cctgggttctg ccggacagag 1980
ttggtgtttg gagcccgact gccctcgggc acacggcctg cctgtcgcat gtttgtgtct 2040
gcctcgttcc ctccctgggt gcctgtgtct gcagaaaaac aagaccagat gtgatttgtt 2100
aaaaaaaaaa 2110

```

&lt;210&gt; 54

&lt;211&gt; 2140

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 067967CB1

&lt;400&gt; 54

```

gtgcgctgag ctgcagtgtc tggctcgagag taccctgtggg agcgtcgcgc cgcggaggca 60
gccgtcccgc cgtaggtggc gtggccgacc ggacccccaa ctggcgcctc tcccgcgcgc 120
gggtcccagag ctaggagatg ggaggcacag ctctgtggcc tgggcggaag gatgcgggc 180
cgctgggggc cgggctcccg cccagcagc ggaggttggg ggatggtgtc tatgacacct 240
tcatgatgat agatgaaacc aaatgtcccc cctgttcaaa tgtactctgc aatccttctg 300
aaccaccttc acccagaaga ctaaatatga ccactgagca gtttacagga gatcatactc 360
agcacttttt ggatggaggt gagatgaagg tagaacagct gtttcaagaa tttggcaaca 420
gaaaaatcaa tactattcag tcagatggca tcagtactc tgaaaaatgc tctcctactg 480
tttctcaggg taaaagttca gattgcttga atacagtaaa atccaacagt tcatccaagg 540
cacccaaagt ggtgcctctg actccagaac aagccctgaa gcaatataaa caccacctca 600
ctgcctatga gaaactggaa ataattaatt atccagaaat ttactttgta ggtccaaatg 660
ccaagaaaag acatggagtt attggtggtc ccaataatgg agggatgat gatgcagatg 720
gggcctatat tcatgtacct cgagaccatc tagcttatcg atatgaggtg ctgaaaatta 780
ttggcaaggg gagttttggg caggtggcca ggtctatga tcacaaactt cgacagtagc 840
tggccctaaa aatgagtgcg aatgagaagc gctttcatcg tcaagcagct gaggagatcc 900
ggattttgga gcatcttaag aaacaggata aaactggtag tatgaacgtt atccacatgc 960
tggaagttt cacattccgg aacctgttt gcatggcctt tgaattgctg agcatagacc 1020
tttatgagct gattaaaaaa aataagtttc agggttttag cgtccagttg gtacgcaagt 1080
ttgccagtc catcttgcaa tctttggatg ccctccacaa aaataagatt attcactgcg 1140
atctgaagcc agaaaacatt ctctgaaac accacgggcg cagttcaacc aaggtcattg 1200
actttgggtc cagctgtttc gactaccaga agctctacac atatatccag tctcgggtct 1260
acagagctcc agaaatcatc ttaggaagcc gctacagcac accaattgac atatggagtt 1320

```

ttggctgcat	ccttgacagaa	cttttaacag	gacagcctct	cttccttgga	gaggatgaag	1380
gagaccagtt	ggcctgcatg	atggagcttc	tagggatgcc	accaccaaaa	cttctggagc	1440
aatccaaacg	tgccaagtac	tttattaatt	ccaagggcat	accccgctac	tgctctgtga	1500
ctacccaggc	agatgggagg	gttgtgcttg	tggggggctg	ctcacgtagg	ggtaaaaaagc	1560
gggggtcccc	aggcagcaaa	gactggggga	cagcactgaa	aggggtgtgat	gactacttgt	1620
ttatagagtt	cttgaaaagg	tgtcttcact	gggacccctc	tgcccgtttg	accccagctc	1680
aagcattaag	acacccttgg	attagcaagt	ctgtccccag	acctctcacc	accatagaca	1740
aggtgtcagg	gaaacgggta	gttaatcctg	caagtgcctt	ccagggattg	ggttccaagc	1800
tgccctccagt	tgttggaaata	gccaaataagc	ttaaagctaa	cttaatgtca	gaaaccaatg	1860
gtagtatacc	cctatgcagt	gtattgccaa	aactgattag	ctagtggaca	gagatatgcc	1920
cagagatgca	tatgtgtata	tttttatgat	cttaciaaacc	tgcaaattgga	aaaaatgcaa	1980
gccccattggt	ggatgtttttt	gttagagtag	acttttttta	aacaagacaa	aacatttttta	2040
tatgattata	aaagaattct	tcaagggcta	attacctaac	cagcttgtat	tggccatctg	2100
gaatatgcat	taaatgactt	tttataggtc	aaaaaaaaaa			2140

&lt;210&gt; 55

&lt;211&gt; 1728

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 346275CB1

&lt;400&gt; 55

gacagacaaa	gcgccgccac	gcgtccgcac	gtcggatggt	tgtagcagtc	agagagcaga	60
acatgagcat	ctgccaggtc	tggttcccc	accatcaggg	atgggagtga	gaaaggggag	120
ttccctctctg	aagagccacc	cctgcaggga	gaaatctgtc	tccaacagga	gatctgggaa	180
gaccatagtg	agaagtgtcg	togaagaggt	ccgcacagcg	ggccttttcc	gaagtggttt	240
tagcgaagag	aaggcaactg	gcaagctctt	tgctgtgaag	tgtatcccta	agaaggcgct	300
gaagggcgaag	gaaagcagca	tagagaatga	gatagccgtc	ctgagaaaga	ttaagcatga	360
aaatattgtt	gccctggaag	acatttatga	aagcccaaat	cacctgtact	tggtcatgca	420
gctggtgtcc	ggtggagagc	tgtttgaccg	gatagtggag	aaggggtttt	atacagagaa	480
ggatgccagc	actctgatcc	gccaaagtct	ggacgcctg	tactatctcc	acagaatggg	540
catcgtccac	agagacctca	agcccgaaaa	tctcttgtac	tacagtcaag	atgaggagtc	600
caaaaataatg	atcagtgact	ttggattgtc	aaaaatggag	ggcaaaggag	atgtgatgtc	660
cactgcctgt	ggaactccag	gctatgtcgc	tcctgaagtc	ctcgcccaga	aaccttacag	720
caaagccgtt	gactgctggt	ccatcggagt	gattgcctac	atcttgetct	gcggetaccc	780
tcctttttat	gatgaaaatg	actccaagct	ctttgagcag	atcctcaagg	cggaatatga	840
gtttgactct	ccctactggg	atgacatctc	cgactctgca	aaagacttca	ttcggaacct	900
gatggagaag	gacccgaata	aaagatacac	gtgtgagcag	gcagctcggc	acccatggat	960
cgctggtgac	acagccctca	acaaaaacat	ccacgagtc	gtcagcgccc	agatccggaa	1020
aaactttgcc	aagagcaaat	ggagacaagc	atttaatgcc	acggccgctg	tgagacatat	1080
gagaaaacta	cacctcggca	gcagcctgga	cagttcaaat	gcaagtgttt	cgagcagcct	1140
cagtttgccc	agccaaaaag	actgtgcgta	tgtagcaaaa	ccagaatccc	tcagctgaca	1200
ctgaagacga	gcctggggtg	gagaggagg	agccggcatc	tgccgagcac	ctcctgtttg	1260
ccaggcgctt	tctatactta	atcccattgtc	atgcgacctt	aggacttttt	ttaacatgta	1320
atcactgggc	cgggtgcagt	ggctcacgcc	tgtaatccca	acactttggg	aggctgaggc	1380
aggaggactg	tttgagttca	ggagttttta	gaccagcctg	accaacatgg	tgaaacccca	1440
tctctactaa	aatataaaaa	ttagccgggt	gtggtggcga	gcacctgtaa	tgtcagctac	1500
ttgggaggct	gaggcaggag	aatcacttga	accaggaag	cggagggttg	aatgagctga	1560
gatcacacca	ctgcactcca	gcctgggtga	cagattgaga	ctccctctca	aaaaaaaaag	1620
ggaaatcatt	gaacactcgt	ggaaccctag	gtattgcata	ttccattttac	ggtttgggaa	1680
tccagggctc	aagtcctcgc	aggggtaccg	agctcgagat	cgtaatca		1728

&lt;210&gt; 56

&lt;211&gt; 1610

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



<220>

<221> misc\_feature

<223> Incyte ID No: 283746CB1

<400> 56

```
gtcgcctctg aaggagaacc attttccatc tctttcatag ttttttcccc cagtcagcgt 60
ggtagcggta ttctccgcgg cagtgcagct aattgttttt gcctcttttag ccaagacttc 120
cgccctcgat caagatgggt gttggacggc ctccctaacc ttacgggggc ctggcgggtgc 180
tgacgcctga gctggtaggg gtggagcagg taggaaacag caaatgcaga agctgctgcg 240
cggaagtcgg ccatggactg gaaagaagtt ctctgcggc gcctagcgac gcccaacacc 300
tgtccaaaca ctgcctgctg aagatgaagt cttactacag aaattaagag aggaatcaag 360
agctgtcttt ctacaaagaa aaagcagaga actgttagat aatgaagaat tacagaactt 420
atggtttttg ctggacaaac accagacacc acctatgatt ggagaggaag cgatgatcaa 480
ttacgaaaac tttttgaagg ttggtgaaaa ggctggagca aagtgcagc aattttttcac 540
agcaaaagtc tttgctaaac tccttcatac agattcatat ggaagaattt ccctcatgca 600
gttctttaat tatgtcatga gaaaagtttg gcttcacaa acaagaatag gactcagttt 660
atatgatgtc gctgggcagg ggtaccttcg ggaatctgat ttagaaaact acatattgga 720
acttatccct acgttgccac aattagatgg tctggaaaaa tctttctact ctttttatgt 780
ttgtacagca gttaggaagt tcttcttctt ttagatcct ttaagaacag gaaagataaa 840
aattcaagat atttttagcat gcagcttctt agatgattta ttggagctaa gggatgagga 900
actgtccaaag gagagtcaa gaaacaattg gttttctgct cctctgccc taagagttaa 960
tggccagtac ttgaatcttg ataaagatca caatggcatg ctgagtaaag aagaactctc 1020
acgctatgga acagctacca tgaccaatgt cttcttagac cgtgttttcc aggagtgtct 1080
cacttatgat ggagaaatgg actataagac ctacttgac tttgtccttg cattagaaaa 1140
cagaaaaggaa cctgcagctc tacaatatat tttcaaactg cttgatattg agaacaaagg 1200
atacctgaat gtctttttcac ttaattattt ctttagggcc atacaggaac taatgaaaaa 1260
ccatggacaa gatcctgttt catttcaaga tgtaaggat gaaatctttg acatggtaaa 1320
accaaaggat cctttgaaaa tctctcttca ggatttaac aacagtaac aagagacac 1380
agtaaccacc attctaactg atttgaatgg cttctggact tacgagaaca gagaggctct 1440
tgttgcaaat gacagtgaag actctgcaga ccttgatgat acatgatctc tgaaagacta 1500
gactgtctta tattatgaga tacttgaatg ctgcatgtaa agccttttaa gcaaaatcct 1560
cagaaatggt ctaaataaaa cacttgatat gcctagagaa aaaaaaaaaa 1610
```

<210> 57

<211> 1290

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2696537CB1

<400> 57

```
ccggctcccc ccgggaagtt ctaggcgcgc gcacagaaag ccctgccctc caccgccggg 60
ctctggagcg ccttgggttg cccggccggt ccttgcgct gacttggtga cactgcgagc 120
actcagtccc tcccgcgcgc ctctccccc cccgcccgc cgtctctct cctgttaaca 180
tgccatagtg cgctgcgac cacacggcgc gggcgctagc gttcgcttc agccaccatg 240
gggaatggga tgaacaagat cctgcccggc ctgtacatcg gcaacttcaa agatgccaga 300
gacgcggaac aattgagcaa gaacaagggt acacatatc tgtctgtcca tgatagtgcc 360
aggcctatgt tggagggagt taaataacct tgcacccag cagcggatto accatctcaa 420
aacctgacaa gacatttcaa agaaagtatt aaattcattc acgagtgcgc gctccgcggg 480
gagagctgcc ttgtacactg cctggccggg gtctccagga gcgtgacact ggtgatcgca 540
tacctcatga ccgtcactga ctttggctgg gaggatgccc tgcacaccgt gcgtgctggg 600
agatcctgtg ccaaccccaa cgtgggcttc cagagacagc tccaggagtt tgagaagcat 660
gaggccatc agtatcggca gtggctgaag gaagaatat gagagagccc tttgcaggat 720
gcagaagaag ccaaaaacat tctggccgct ccgggaattc tgaagttctg ggcctttctc 780
agaagactgt aatgtacctg aagtttctga aatattgcaa acccacagag tttaggctgg 840
tgctgccaaa aagaaaagca acatagagtt taagtatcca gtagtgattt gtaaaacttg 900
ttttcatttg aagctgaata tatacgtagt catgtttatg ttgagaacta aggatattct 960
```

```

ttagcaagag aaaatatattt ccccttatcc ccactgctgt ggaggtttct gtacctcgct 1020
tggatgcctg taaggatccc gggagccttg ccgactgcc ttgtgggtgg cttggcgctc 1080
gtgattgctt cctgtgaacg cctcccaagg acgagcccag tgtagtgtg tggcggtgaac 1140
tctgcccgtg tgttctcaaa ttcccagct tgggaaatag cccttggtgt gggttttatc 1200
tctggtttgt gttctccgtg gtggaattga ccgaaagctc tatgttttcg ttaataaagg 1260
gcaacttagc caagtttaaa aaaaaaaaaa 1290

```

```

<210> 58
<211> 632
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 619292CB1

```

```

<400> 58
cggacgcgtg ggggtccagcc gcagctccag caccgaggac ttctgctacg tcttcacggt 60
ggagctggaa cgaggccctt ccgggctggg gatgggcctg atcgacggga tgcacacgca 120
cctggggcgcc cccgggctct acatccagac cctgctcccg ggcagccccg cagcggccga 180
cgggcgcctg tcgctggggg accgtatcct ggaggtgaat ggcagcagcc tctgggcct 240
tggctacctg agagctgtgg acctgatccg tcatggcggg aagaagatgc ggttcctggt 300
cgcaagtcc gacgttggga aacagccaag aagatccatt tccgcacgcc ccctctctag 360
gggggctgcg aggacacccc cacaggcccc gcacccgggc ccacctgggtg acactgggct 420
tcttcccgcc ttcgtccctg ttttgtaact gaccaagttg ggtcccgggt ggggagcctc 480
accttgggga catgcctgtt gataacatgc atctcagttg aggttctatt tatatggcag 540
atgacgtgaa attgtgatgt ttgttacaga gcttttatgt ttaaagactt caatggagaa 600
gtacggttca ataaactatt tttcccgttc tt 632

```

```

<210> 59
<211> 2347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 2054049CB1

```

```

<400> 59
cccagtttta tcatggattc atcctgaaag tcaagccaca atcactcggg ttagccagcc 60
catggttggga gtgagtggaa agcgaagcaa agaagatgaa aaataccttc aagctatcat 120
ggattccaat gccagctctc acaaaatctt tatatttgat gcccggccaa gtgttaatgc 180
tgttgccaac aaggcaaagg gtggagggtta tgaaagtgaa gatgcctatc aaaatgctga 240
actagttttc ctggatatcc acaatattca tgttatgaga gaatcattac gaaaaactta 300
ggagattgtg taccccaaca ttgaggaaac ccactgggtg tctaacttgg aatctactca 360
ttggctagaa catattaagc ttattcttgc aggggctctt aggattgctg acaaggtaga 420
gtcagggaag acgtctgttg tagtgcattg cagtgatggg tgggatcgca cagctcagct 480
cacttccctt gccatgctca tgttggatgg atactatcga accatccgag gatttgaagt 540
ccttgtggag aaagaatggc taagttttgg acatcgattt caactaagag ttggccatgg 600
agataagaac catgcagatg cagacagatc gcctgttttt cttcaattta ttgactgtgt 660
ctggcagatg acaagacagt ttctaccgc atttgaattc aatgagtatt ttctcattac 720
cattttggac cactatacac gctgcttatt cggaacattc cctgttaata gtgaacaaca 780
gagaggaaaa gagaatcttc ctaaaaggac tgtgtcactg tggctttaca taaacagcca 840
gctggaagac ttcactaatc ctctctatgg gagctattcc aatcatgtcc tttatccagt 900
agccagcatg cgccacctag agctctgggt gggatattac ataaggtgga atccacggat 960
gaaaccacag gaacctatcc acaacagata caaagaactt cttgctaaac gagcagagct 1020
tcagaaaaaa gtagaggaac tacagagaga gatttctaac cgatcaacct catcctcaga 1080
gagagccagc tctctgcac agtgtgtcac tctgtccaa actggtgtat aaaggagtgt 1140
aagatcaggg gcatcattgc tatacactct tgattacact ggcagctcta tgagtagaaa 1200

```

```

gtcttcggaa tttagaaccc atctatgaga gaaagtccag tcactttatt tattttaaat 1260
ctctctagga tgagttttaga actgtagcag tgcaggtggc ttaagtgaag taactccata 1320
tgtaattaca tgattatgat actaatcttt taagtatcca aagaatatta aaatacttca 1380
atcctgggatt cacagtggga acaagttttt attaaaaggc aaatgctgtt acaaatTTTT 1440
ggcatctggt aatattaaaa ccatttttaga aatacactct gtgctcactg tgcagaggaa 1500
catcagtttt caaaccaaca ctgaaattct gtggcatcac atatattggg ccttgatgtc 1560
atgacagatc aaaatcattt gatatccctt tctccattct aggtttttct ttttttcagt 1620
aactgattta ccttgatcac ttttcaactt ccatattctt catatagtaa aaggcaaagt 1680
gttgaagata ctacgggtgt gtagtagttg aaaattattg ccgtcattat ttacatactt 1740
aagacatatt agcaagttga tccaaaatgg gaggccttat agatgtgctt ggggggaaaat 1800
gaaggggaga aagtagccat acaggagtcc aaagaattcc atgcccttca gattagccca 1860
attaccagaa acatcatgaa agatatttta aaaactaatt atttactaca gtgtatttca 1920
cttgtcttgt gtgtctgaac acacagaagc taattagcaa gtttttaaga agtattttaa 1980
aatcttacta ggattgacat tttttctgaa ttctgtataa atagcttata gtgagaagta 2040
ctgtgctcaa attttcaatt tttttccttg gcaaattctg taatttcact caacgattaa 2100
gtctaccaaa gaacacactg catgtaaaag atgtattaca atctcaaagc cagtaaaaaga 2160
aatcttgctt cactgttcac ctgtctacaag taagagtttg gtgctggtag aaacatttga 2220
ctctgatgtc tattttatct tacataagag ccatatgtaa tgtactgtaa caaaggagct 2280
tcttgctccc ttggtctttt aattaaaaga aattccaact gactttttaa ctttaaaaaa 2340
aaaaaaa 2347

```

<210> 60

<211> 1737

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2843910CB1

<400> 60

```

ccgggggctga gcgctcggtt gcagcggcgc ggagggcgct tccctgggtct gccgcgggtcc 60
ccgcccgtcc cgcgcgcggc tgccatggca ggagccggag ggttcggctg cccgcggggc 120
ggcaacgact tccagtgggt cttctcgag gtcaaggggg ccatcgacga ggacgtggcc 180
gaagcggaca tcatttccac cgttgagttt aattactctg gagatcttct tgcaacagga 240
gacaagggcg gcagagttgt tatttttcag cgtgaacaag agaataaaaag ccgccctcat 300
tctaggggag aatataatgt ttacagcacc tttcaaagtc atgaaccgga gtttgactat 360
ttgaaaagtc tagaaattga ggaaaaaatt aataaaatta ggtggttacc acaacagaat 420
gctgctcatt ttctactgtc taaaaatgat aaactataa aattatggaa aataagtga 480
cgggataaaa gagcagaagg ttataacctg aaagacgaag atggaagact tcgagacca 540
tttaggatca cggcgctacg ggtcccaata ttgaagccca tggatcttat ggtagaagcg 600
agtccacggc gaatttttgc aaatgctcac acatatcata taaattccat ttcagtaaat 660
agtgatcatg aaacatatct ttctgcagat gacctgagaa ttaatttatg gcacttagaa 720
atcacagata gaagctttta catcgtggac atcaagcctg ctaacatgga ggagctgacc 780
gaagtcatca ctgcagccga gttccaccgc caccagtga acgtgttcgt ctacagcagt 840
agcaaaagga ccatccgctt gtgtgacatg cgctcctcgg cctgtgcca cagacactcc 900
aagttttttg aagagcctga agatcccagc agtaggtcct tcttctcaga aataatttca 960
tccatatccg atgtaaaatt cagtcatagt gggcggtaca tgatgaccag agactacctg 1020
tcggtgaagg tgtgggacct caacatggag agcaggccgg tggagacca ccaggtccac 1080
gagtacctgc gcagcaagct ctgctctctc tatgagaacg actgcattct tgacaagttt 1140
gagtgttgtt ggaacggttc ggatagcgcc atcatgaccg ggtcctataa caacttcttc 1200
aggatgtttg atagagacac gcggagggag gtgacctgg aggcctcgag agagcagc 1260
aaaccgcgcg ccagcctcaa ccccgggaag gtgtgtacgg ggggtaagcg gaggaaagac 1320
gagatcagtg tggacagtct ggaactcaac aagaagatcc tgcacacagc ctggcacc 1380
gtggacaatg tcattgccgt ggctgccacc aataacttgt acatattcca ggacaaaatc 1440
aactagagac gcgaacgtga ggaccaagtc ttgtcttgca tagttaagcc ggacattttt 1500
ctgtcagaga aaaggcatca ttgtccgctc cattaagaac agtgacgcac ctgctacttc 1560
ccttcacaga cacaggagaa agccgcctcc gctggaggcc cgggtgtggt cgcgcctcgg 1620
gaggcgcgag acaggcgctg ctgctcacgt ggagacgctc tcgaagcaga gttgacggac 1680

```

PF-0565 USN

actgctccca aaaggtcatt actcagaata aatgtattta ttcaaaaaa aaaaaaa 1737